09-890219

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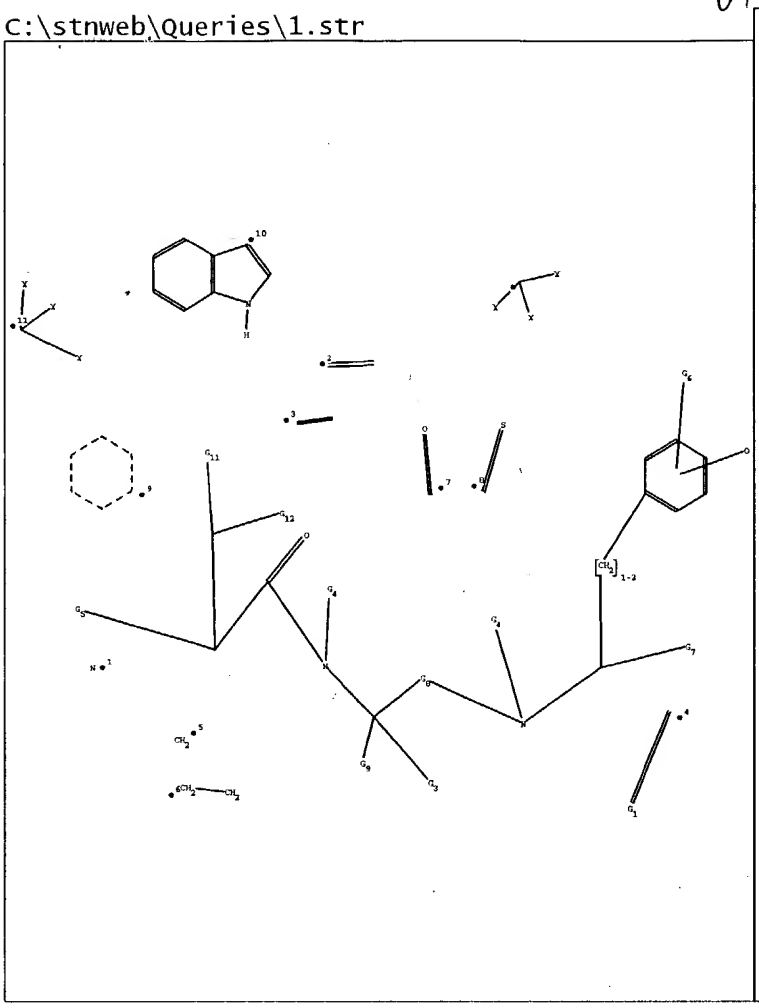

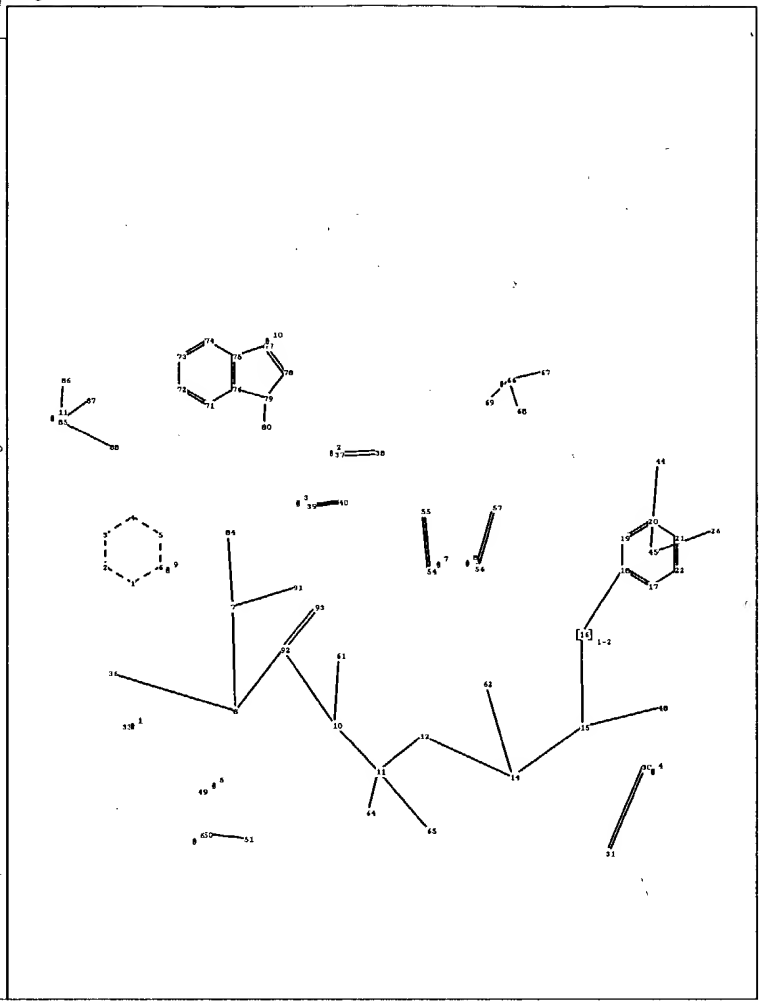

chain nodes :
7 8 10 11 12 14 15 16 26 30 31 33 36 37 38 39 40 44 48 49 50 51 54
55 56 57 61 62 64 65 66 67 68 69 80 84 85 86 87 88 91 92 93
ring nodes :
1 2 3 4 5 6 17 18 19 20 21 22 71 72 73 74 75 76 77 78 79
chain bonds :
7-8 7-84 7-91 8-36 8-92 10-61 10-11 10-92 11-12 11-64 11-65 12-14 14-15
14-62 15-16 15-48 16-18 30-31 37-38 39-40 50-51 54-55 56-57 66-67 66-68 66-69
79-80 85-87 85-88 85-86 92-93
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 71-72 71-76
72-73 73-74 74-75 75-76 75-77 76-79 77-78 78-79
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-84 7-91 8-36 10-61 10-11 11-12 11-64 11-65 12-14
14-15 14-62 15-48 30-31 54-55 56-57 76-79 78-79 92-93
exact bonds :
7-8 8-92 10-92 15-16 16-18 37-38 39-40 50-51 66-67 66-68 66-69 75-77 77-78
79-80 85-87 85-88 85-86
normalized bonds :
17-18 17-22 18-19 19-20 20-21 21-22 71-72 71-76 72-73 73-74 74-75 75-76
isolated ring systems :
containing 1 : 17 : 71 :

G1:O,S

G2:CH3,Et

G3:H,Ak

G4:CH3,Et,H

G5:Ak,H,OH,[*1]

G6:Ak,Cb,[*2],[*3]

G7:COOH,Ak,H,[*4]

G8:[*5],[*6],[*7],[*8]

G9:Ak,Ph

G11:[*9],[*10]

G12:H,OH,NH2,CN,[*11]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 26:CLASS 27:CLASS 30:CLASS 31:CLASS 33:CLASS 36:CLASS 37:CLASS 38:CLASS
39:CLASS 40:CLASS 44:CLASS 45:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS 54:CLASS
55:CLASS 56:CLASS 57:CLASS 61:CLASS 62:CLASS 64:CLASS 65:CLASS 66:CLASS 67:CLASS
68:CLASS 69:CLASS 71:CLASS 72:CLASS 73:Atom 74:Atom 75:Atom 76:Atom 77:CLASS
78:CLASS 79:CLASS 80:CLASS 84:CLASS 85:CLASS 86:CLASS 87:CLASS 88:CLASS 91:CLASS
92:CLASS 93:CLASS

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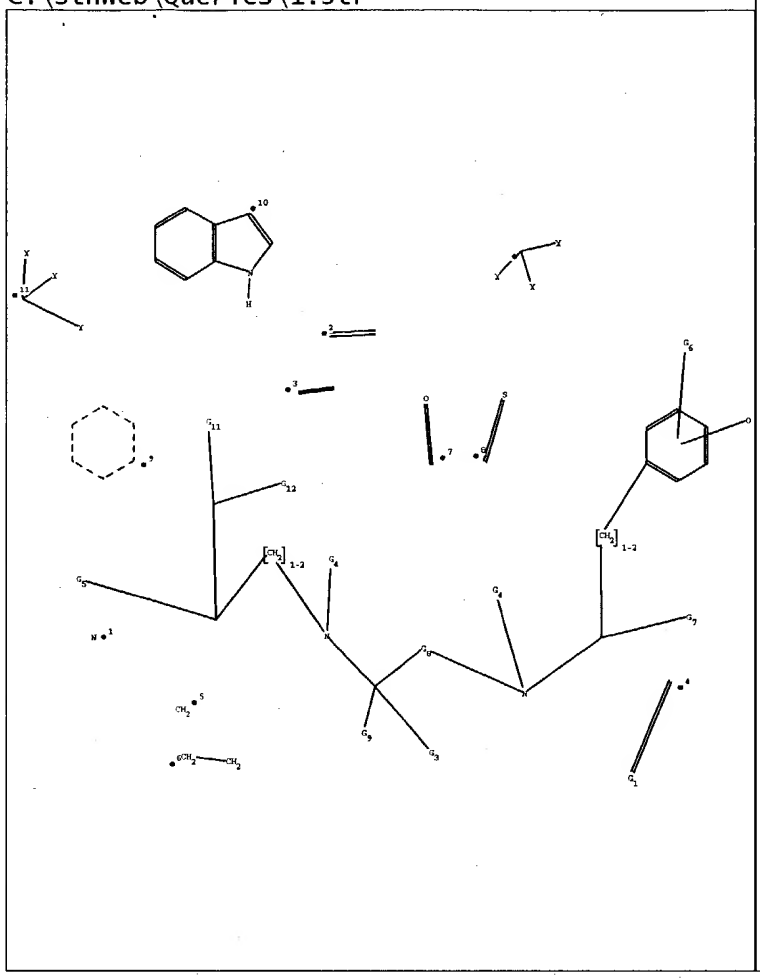

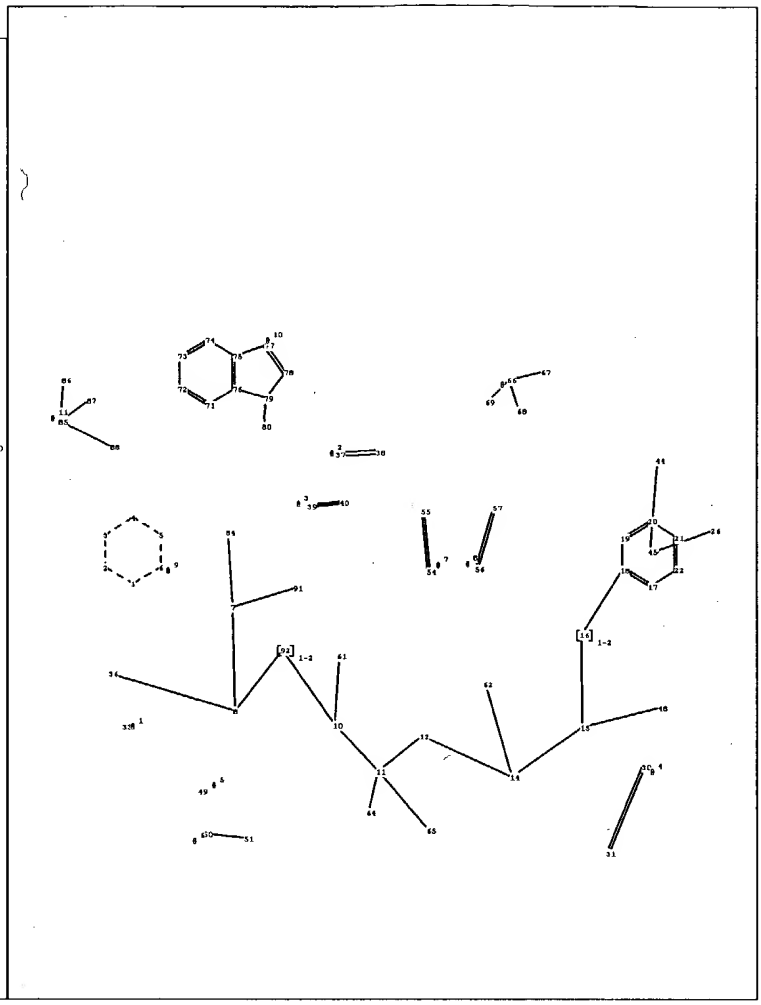

chain nodes :
7 8 10 11 12 14 15 16 26 30 31 33 36 37 38 39 40 44 48 49 50 51 54
55 56 57 61 62 64 65 66 67 68 69 80 84 85 86 87 88 91 92
ring nodes :
1 2 3 4 5 6 17 18 19 20 21 22 71 72 73 74 75 76 77 78 79
chain bonds :
7-8 7-84 7-91 8-36 8-92 10-61 10-11 10-92 11-12 11-64 11-65 12-14 14-15
14-62 15-16 15-48 16-18 30-31 37-38 39-40 50-51 54-55 56-57 66-67 66-68 66-69
79-80 85-87 85-88 85-86
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 71-72 71-76
72-73 73-74 74-75 75-76 75-77 76-79 77-78 78-79
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-84 7-91 8-36 10-61 10-11 11-12 11-64 11-65 12-14
14-15 14-62 15-48 30-31 54-55 56-57 76-79 78-79
exact bonds :
7-8 8-92 10-92 15-16 16-18 37-38 39-40 50-51 66-67 66-68 66-69 75-77 77-78
79-80 85-87 85-88 85-86
normalized bonds :
17-18 17-22 18-19 19-20 20-21 21-22 71-72 71-76 72-73 73-74 74-75 75-76
isolated ring systems :
containing 1 : 17 : 71 :

G1:O,S

G2:CH3,Et

G3:H,Ak

G4:CH3,Et,H

G5:Ak,H,OH,[*1]

G6:Ak,Cb,[*2],[*3]

G7:COOH,Ak,H,[*4]

G8:[*5],[*6],[*7],[*8]

G9:Ak,Ph

G11:[*9],[*10]

G12:H,OH,NH2,CN,[*11]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 26:CLASS 27:CLASS 30:CLASS 31:CLASS 33:CLASS 36:CLASS 37:CLASS 38:CLASS
39:CLASS 40:CLASS 44:CLASS 45:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS 54:CLASS
55:CLASS 56:CLASS 57:CLASS 61:CLASS 62:CLASS 64:CLASS 65:CLASS 66:CLASS 67:CLASS
68:CLASS 69:CLASS 71:CLASS 72:CLASS 73:Atom 74:Atom 75:Atom 76:Atom 77:CLASS
78:CLASS 79:CLASS 80:CLASS 84:CLASS 85:CLASS 86:CLASS 87:CLASS 88:CLASS 91:CLASS
92:CLASS

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SAMPLE SCREEN SEARCH COMPLETED -    456 TO ITERATE

100.0% PROCESSED     456 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         7839 TO    10401
PROJECTED ANSWERS:               0 TO        0

L96            0 SEA SSS SAM L95

=> s l95 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 22:40:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   9898 TO ITERATE

100.0% PROCESSED    9898 ITERATIONS                          5 ANSWERS
SEARCH TIME: 00.00.01

L97            5 SEA SSS FUL L95

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                            1115.24    2615.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -7.00

FILE 'HCAPLUS' ENTERED AT 22:40:59 ON 02 SEP 2004
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FILE COVERS 1907 - 2 Sep 2004  VOL 141 ISS 10
FILE LAST UPDATED: 1 Sep 2004  (20040901/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


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L98            1 L97
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L98  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Citing References

ACCESSION NUMBER: 2000:535162 HCAPLUS
DOCUMENT NUMBER: 133:150920
TITLE: Preparation of peptides or analogs containing substituted phenethylamine moiety as motilin receptor antagonists
INVENTOR(S): Matsuoka, Hiroharu; Sato, Tsutomu; Takahashi, Tadakatsu; Kim, Dong Ick; Jung, Kyung Yun; Park, Chan Hee
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 403 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000044770	A1	20000803	WO 2000-JP444		20000128
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2359030	AA	20000803	CA 2000-2359030		20000128
EP 1149843	A1	20011031	EP 2000-901956		20000128
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NO 2001003684	A	20010928	NO 2001-3684		20010726
PRIORITY APPLN. INFO.:			JP 1999-20523	A	19990128
			JP 1999-283163	A	19991004
			WO 2000-JP444	W	20000128

OTHER SOURCE(S): MARPAT 133:150920
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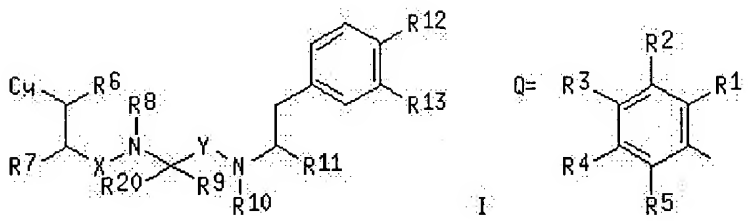


I

AB Substituted phenethylamine derivs. represented by general formula (I), hydrates of the same, or pharmaceutically acceptable salts thereof [wherein Cy is a group represented by general formula Q, an optionally substituted heterocyclic group, C3-7 cycloalkyl, or phenyl; R1, R1, R1, R1

h eb c g cg b cg eb

and R5 are each hydrogen, halogeno, hydroxyl, amino, trifluoromethyl or cyano, at least one of R1-R5 being halogeno, trifluoromethyl or cyano; R6 represents hydrogen, (un)substituted linear or branched C1-3 alkyl, amino, or hydroxy; R8 represents hydrogen, Me, or ethyl; R9 represents (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or C2-6 alkynyl, C3-7 cycloalkyl, or (un)substituted Ph; R20 represents hydrogen, or (un)substituted linear or branched C1-3 alkyl or R9 and R20 together forms C3-7 cycloalkyl; R10 represents hydrogen, (un)substituted linear or branched C1-3 alkyl; R11 represents hydrogen or (un)substituted linear or branched C1-3 alkyl, (un)substituted carbamoyl, or carboxy; R12 represents hydroxy or linear or branched C1-4 alkoxy; R13 represents hydrogen, (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or alkynyl, etc.; X, Y represents carbonyl or CH2; provisos are given.], which exhibit motilin receptor antagonism and being useful as drugs for preventing digestive tract movement or high level of blood motilin. Thus, 3-methyl-2-methylaminobutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (prepn. given) was condensed with Boc-Phe(4-F)-OH using CMPI in the presence of Et3N in THF under ice-cooling for 4 h followed by treatment of the product with CF3CO2H in CH2Cl2 gave 2-((2-amino-3-(4-fluorophenyl)propanoyl)-N-methylamino)-3-methylbutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (II). II and N-Et-Phe(4-F)-N-Me-Val-N-Et-Tyr(3-tBu)-NHEt showed IC50 of 0.35 and 0.17 nM, resp., for inhibiting binding of 125I-motilin to motilin receptor prepn. from mucus membrane of rabbit duodenum.

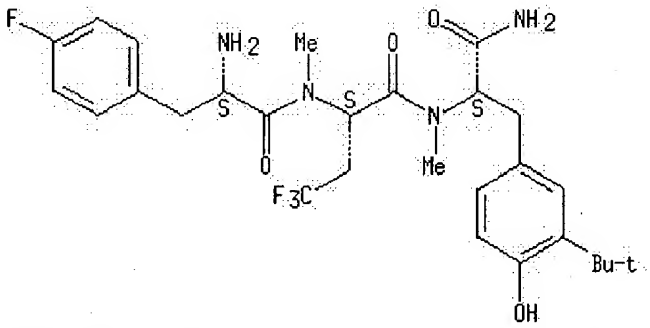
IT 287207-09-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of peptides or analogs contg. substituted phenethylamine moiety as motilin receptor antagonists and drugs for preventing digestive tract movement or high level of blood motilin)

RN 287207-09-4 HCAPLUS

CN L-Tyrosinamide, 4-fluoro-L-phenylalanyl-(2S)-4,4,4-trifluoro-2-(methylamino)butanoyl-3-(1,1-dimethylethyl)-Nα-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.12	2622.41

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                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.70      -7.70

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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
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  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> d his

     (FILE 'HOME' ENTERED AT 21:22:36 ON 02 SEP 2004)

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L1              STRUCTURE UPLOADED
L2            1 S L1
L3          196 S L1 FULL

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L4              STRUCTURE UPLOADED
                S L4

     FILE 'REGISTRY' ENTERED AT 21:28:05 ON 02 SEP 2004
L5            1 S L4

     FILE 'HCAPLUS' ENTERED AT 21:28:06 ON 02 SEP 2004
L6            1 S L5

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L7              STRUCTURE UPLOADED
L8            1 S L7

     FILE 'HCAPLUS' ENTERED AT 21:28:41 ON 02 SEP 2004
L9            4 S L3

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L10           0 S L9

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L11             STRUCTURE UPLOADED
L12           2 S L11
L13         352 S L11 FULL

     FILE 'HCAPLUS' ENTERED AT 21:31:02 ON 02 SEP 2004
L14           7 S L13
L15           3 S L14 NOT L9
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h eb c g cg b cg eb

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L16           1 S L15 AND MATSUOKA, H?/AU
L17           2 S L15 NOT L16
L18           1 S L17 AND SATO, T?/AU
L19           1 S L17 NOT L18
L20           0 S L19 AND TAKAHASHI, T?/AU
L21           0 S L17 AND KIM, D?/AU
L22           0 S L17 AND JUNG, K?/AU
L23           0 S L17 AND PARK, C?/AU
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     FILE 'REGISTRY' ENTERED AT 21:33:13 ON 02 SEP 2004
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L28           2 S L27
L29             STRUCTURE UPLOADED
L30          50 S L29
L31       15669 S L29 FULL

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     FILE 'REGISTRY' ENTERED AT 21:35:31 ON 02 SEP 2004
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L34          50 S L33
L35             STRUCTURE UPLOADED
L36           0 S L35
L37         347 S L35 FULL

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L43           7 S L42

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L45          50 S L44
L46             STRUCTURE UPLOADED
L47           2 S L46
L48         351 S L46 FULL
L49             STRUCTURE UPLOADED
L50           2 S L49
L51         380 S L49 FULL

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L70             STRUCTURE UPLOADED
L71           0 S L70
L72             STRUCTURE UPLOADED
L73           0 S L72
L74          10 S L72 FULL
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L77           0 S L74 NOT L61
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L79           0 S L78
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L86           0 S L84 FULL
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L88           0 S L87
L89           0 S L87 FULL
L90             STRUCTURE UPLOADED
L91           0 S L90
L92             STRUCTURE UPLOADED
L93           0 S L92
L94           0 S L92 FULL
L95             STRUCTURE UPLOADED
L96           0 S L95
L97           5 S L95 FULL

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L98           1 S L97

     FILE 'CAOLD' ENTERED AT 22:41:17 ON 02 SEP 2004

=> s l97
L99           0 L97
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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.42    2622.83

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                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -7.70

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STRUCTURE FILE UPDATES:     1 SEP 2004  HIGHEST RN 737690-81-2
DICTIONARY FILE UPDATES:    1 SEP 2004  HIGHEST RN 737690-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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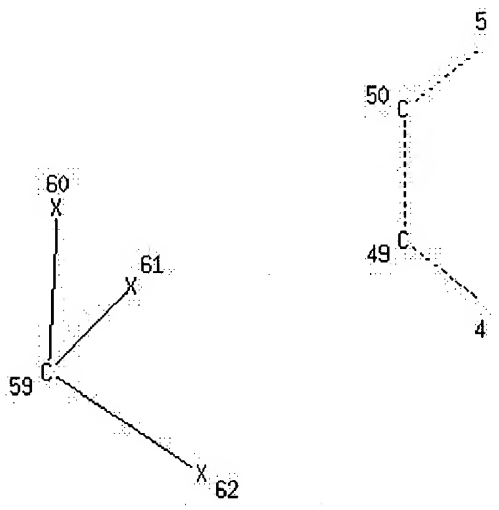

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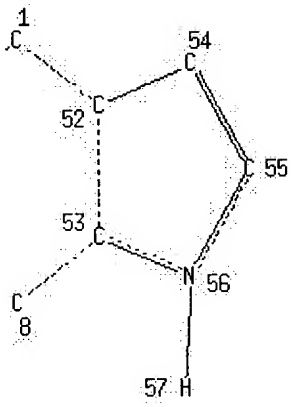

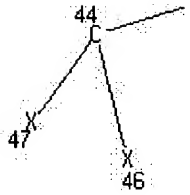

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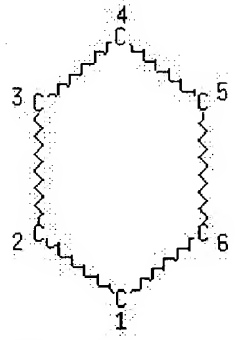
G6

Page 1-F

Page 2-A

O @22

Page 2-B



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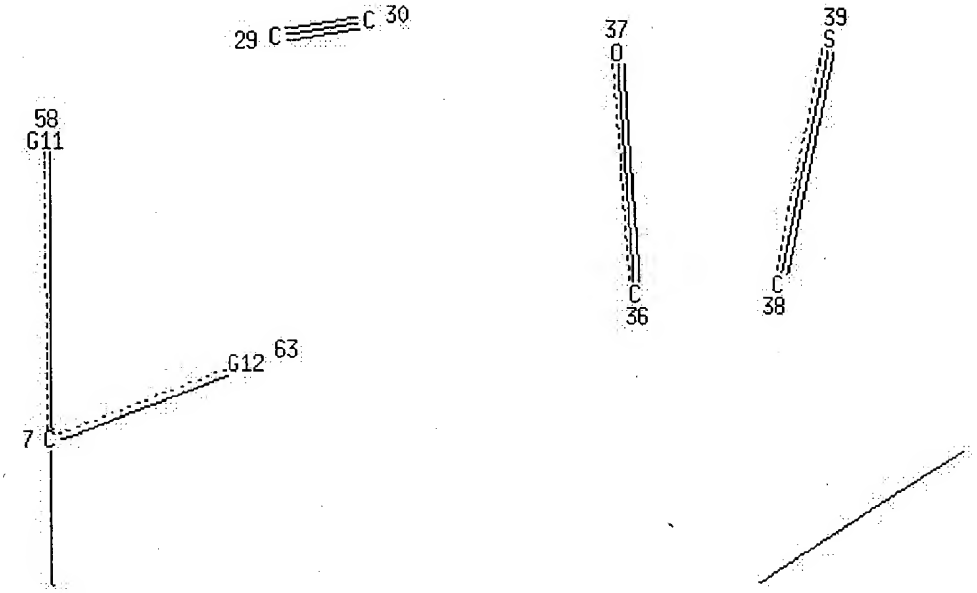
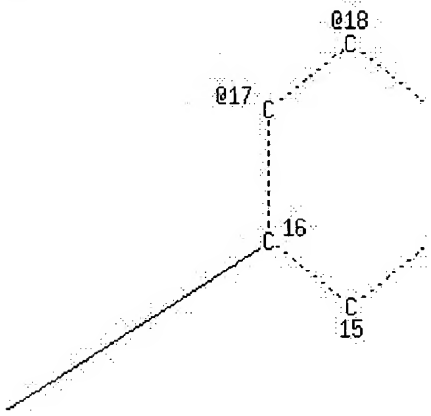


Page 2-E



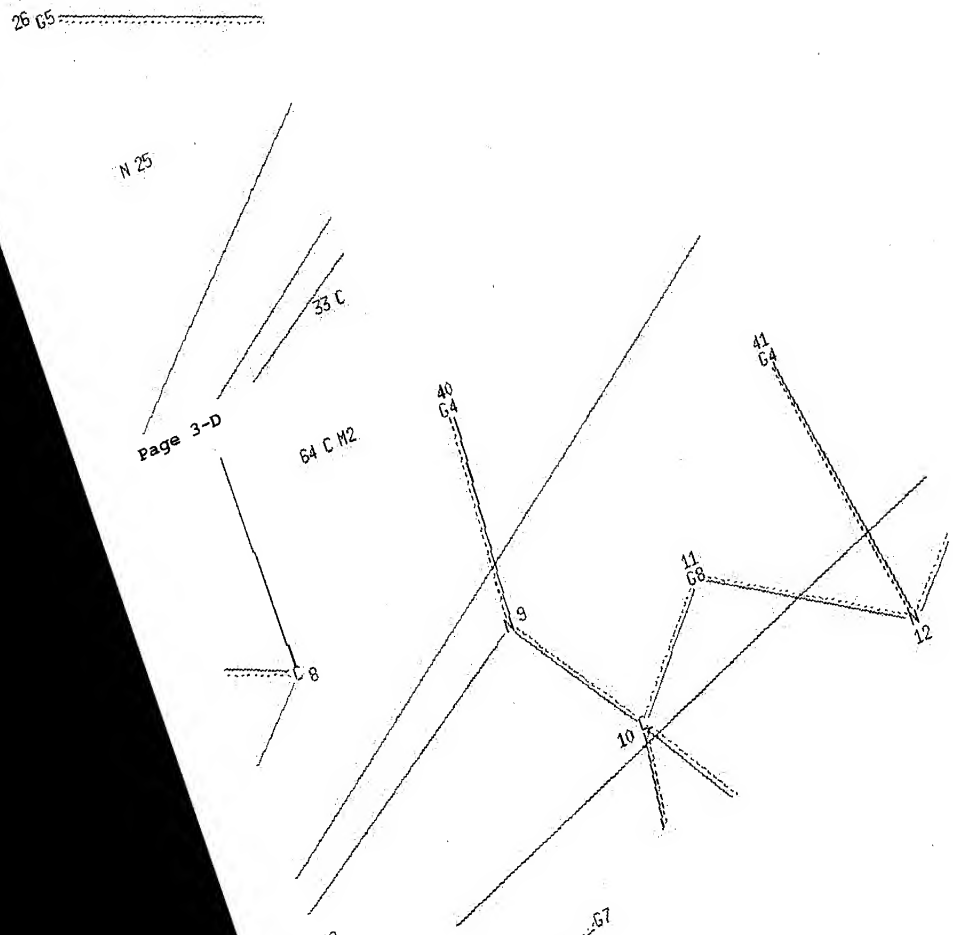
14 C M2

Page 2-F

32

Page 3-A

h eb c g cg b cg eb



eb

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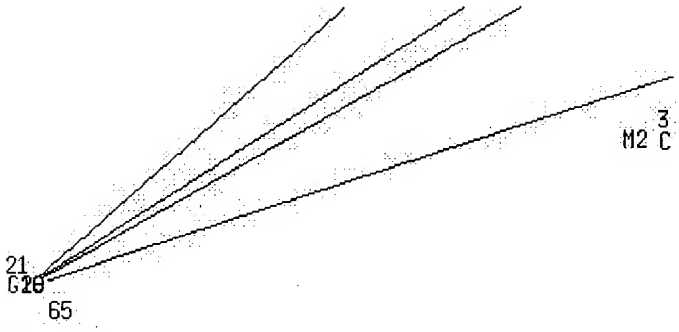


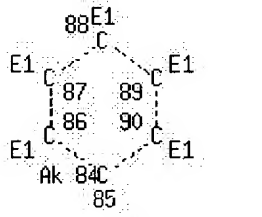
Page 4-D

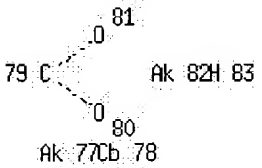
Page 4-E

Page 4-F

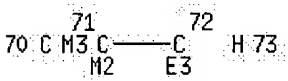
H 92 O 93 N M2 C≡N
94 95

Page 8-D





Ak 74H 76 O M1



Page 9-D

H 68 Ak 69

Page 10-D

VAR G1=66/67

VAR G3=68/69

h eb c g cg b cg eb

```
VAR G4=70/71/73
VAR G5=74/75/76/25
VAR G6=77/78/27/29
VAR G7=79/82/83/23
VAR G8=33-10 33-12/34-10 34-12/36-10 36-12/38-10 38-12
VAR G9=84/85
VAR G11=6/54
VAR G12=91/92/93/94/59
REP G19=(1-2) 64-8 64-9
REP G20=(1-2) 14-13 14-16
VPA 22-18/19/20 S
VPA 31-17/18/19/20 S
NODE ATTRIBUTES:
HCOUNT  IS M2     AT  14
HCOUNT  IS M2     AT  33
HCOUNT  IS M2     AT  34
HCOUNT  IS M2     AT  35
HCOUNT  IS M2     AT  64
HCOUNT  IS M3     AT  70
HCOUNT  IS M2     AT  71
HCOUNT  IS E3     AT  72
HCOUNT  IS M1     AT  76
HCOUNT  IS E1     AT  86
HCOUNT  IS E1     AT  87
HCOUNT  IS E1     AT  88
HCOUNT  IS E1     AT  89
HCOUNT  IS E1     AT  90
HCOUNT  IS M1     AT  92
HCOUNT  IS M2     AT  93
NSPEC   IS R      AT   1
NSPEC   IS R      AT   2
NSPEC   IS R      AT   3
NSPEC   IS R      AT   4
NSPEC   IS R      AT   5
NSPEC   IS R      AT   6
NSPEC   IS C      AT   7
NSPEC   IS C      AT   8
NSPEC   IS C      AT   9
NSPEC   IS C      AT  10
NSPEC   IS C      AT  11
NSPEC   IS C      AT  12
NSPEC   IS C      AT  13
NSPEC   IS C      AT  14
NSPEC   IS R      AT  15
NSPEC   IS R      AT  16
NSPEC   IS R      AT  17
NSPEC   IS R      AT  18
NSPEC   IS R      AT  19
NSPEC   IS R      AT  20
NSPEC   IS C      AT  21
NSPEC   IS C      AT  22
NSPEC   IS C      AT  23
NSPEC   IS C      AT  24
NSPEC   IS C      AT  25
NSPEC   IS C      AT  26
NSPEC   IS C      AT  27
NSPEC   IS C      AT  28
NSPEC   IS C      AT  29
NSPEC   IS C      AT  30
NSPEC   IS C      AT  31
```

h eb c g cg b cg eb

```
NSPEC   IS C      AT  32
NSPEC   IS C      AT  33
NSPEC   IS C      AT  34
NSPEC   IS C      AT  35
NSPEC   IS C      AT  36
NSPEC   IS C      AT  37
NSPEC   IS C      AT  38
NSPEC   IS C      AT  39
NSPEC   IS C      AT  40
NSPEC   IS C      AT  41
NSPEC   IS C      AT  42
NSPEC   IS C      AT  43
NSPEC   IS C      AT  44
NSPEC   IS C      AT  45
NSPEC   IS C      AT  46
NSPEC   IS C      AT  47
NSPEC   IS R      AT  48
NSPEC   IS R      AT  49
NSPEC   IS R      AT  50
NSPEC   IS R      AT  51
NSPEC   IS R      AT  52
NSPEC   IS R      AT  53
NSPEC   IS R      AT  54
NSPEC   IS R      AT  55
NSPEC   IS R      AT  56
NSPEC   IS C      AT  57
NSPEC   IS C      AT  58
NSPEC   IS C      AT  59
NSPEC   IS C      AT  60
NSPEC   IS C      AT  61
NSPEC   IS C      AT  62
NSPEC   IS C      AT  63
NSPEC   IS C      AT  64
NSPEC   IS C      AT  65
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS  AT   7  8  9 10 12 13 14 22 23 25 27 28 29 30 33 34 35
          36 37 38 39 44 45 46 47 48 49 54 55 56 57 59 60 61 62 64 66 67
          68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88
          89 90 91 92 93 94 95
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  95

STEREO ATTRIBUTES: NONE


=> s l100
SAMPLE SEARCH INITIATED 22:42:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    806 TO ITERATE

100.0% PROCESSED     806 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        14417 TO    17823
PROJECTED ANSWERS:               0 TO        0
```

h eb c g cg b cg eb

```
L101          0 SEA SSS SAM L100

=> s l100 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 22:42:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  16732 TO ITERATE

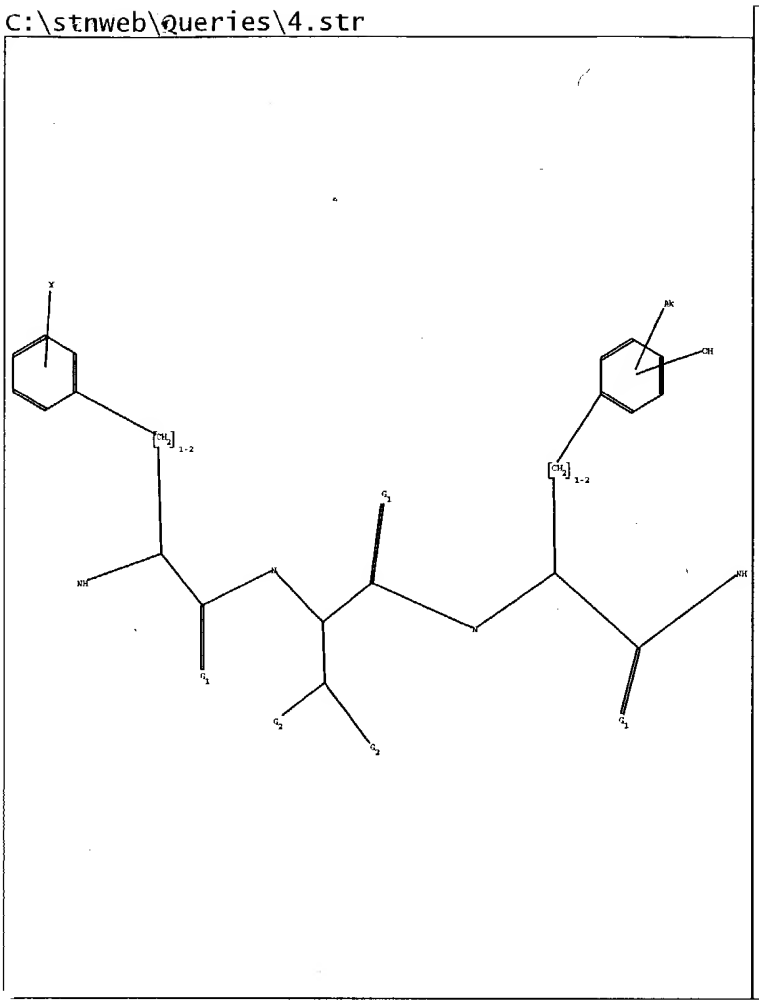
100.0% PROCESSED   16732 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

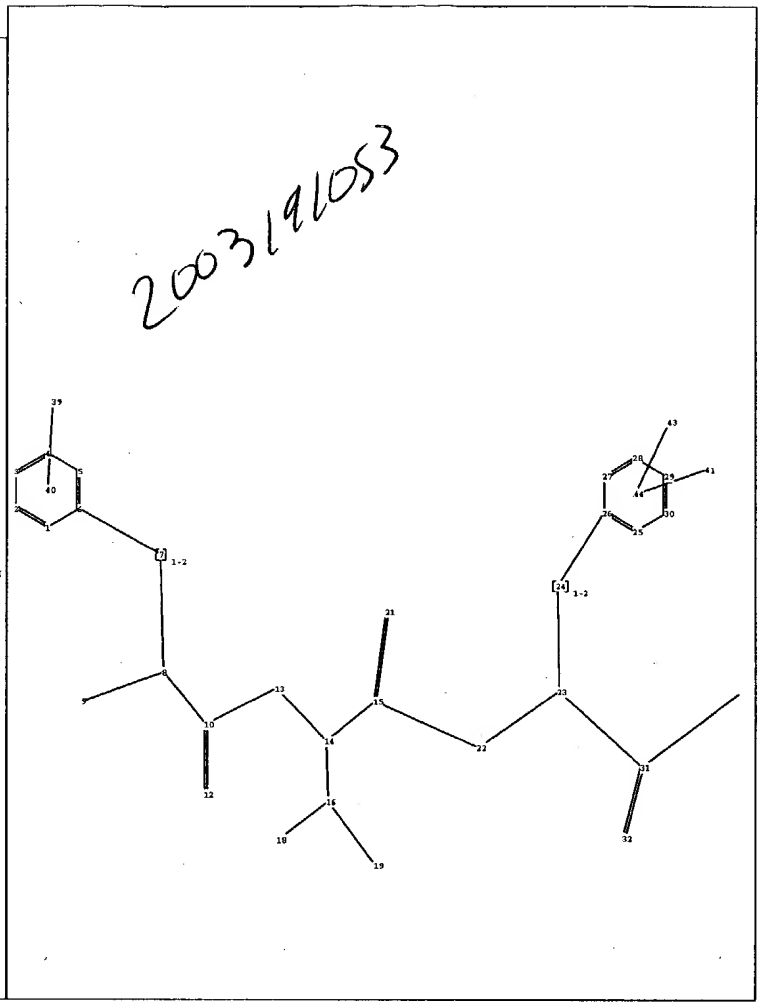
L102          0 SEA SSS FUL L100

=>
```

h eb c g cg b cg eb

C:\stnweb\queries\4.str





200319053

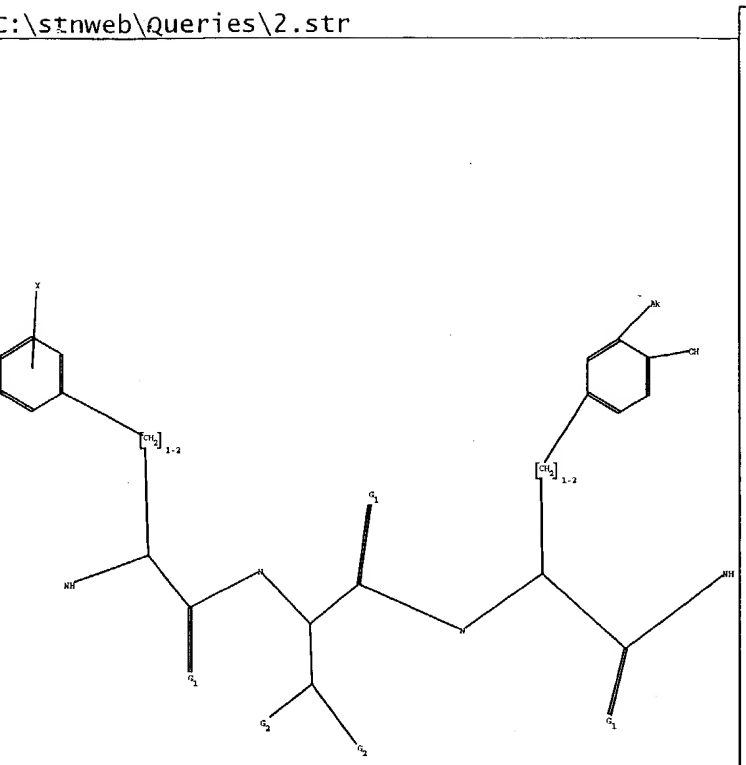
chain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 43
ring nodes :
1 2 3 4 5 6 25 26 27 28 29 30
chain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 31-32 31-33
exact bonds :
6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
isolated ring systems :
containing 1 : 25 :

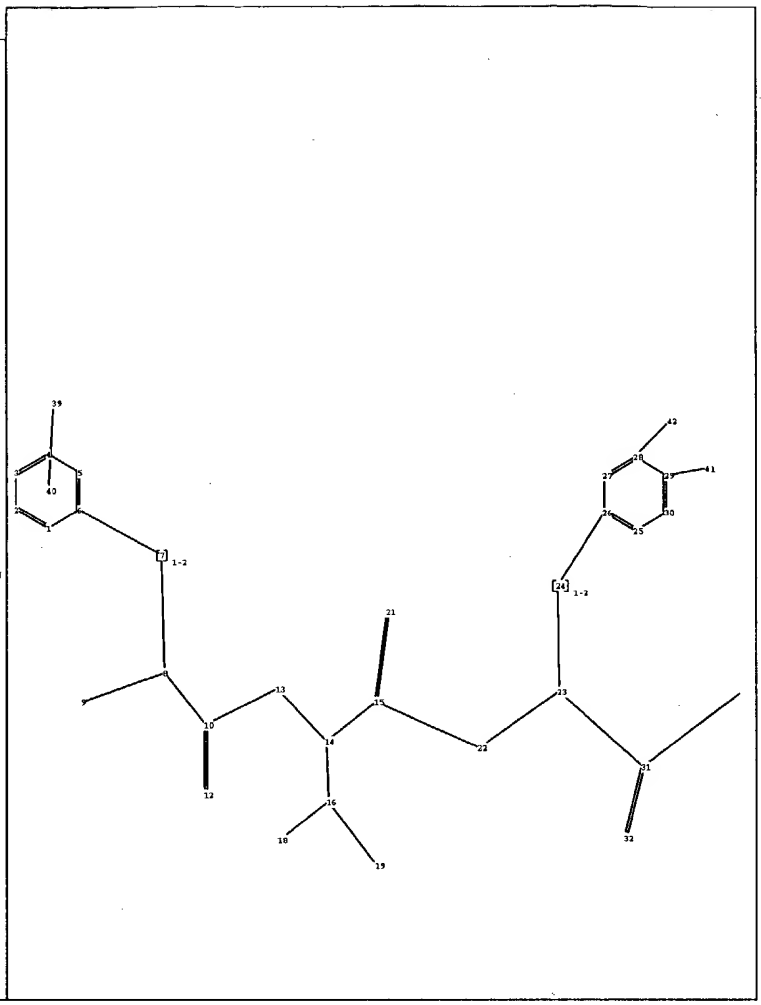
G1:O,S

G2:CH3,Et

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS

C:\stnweb\Queries\2.str





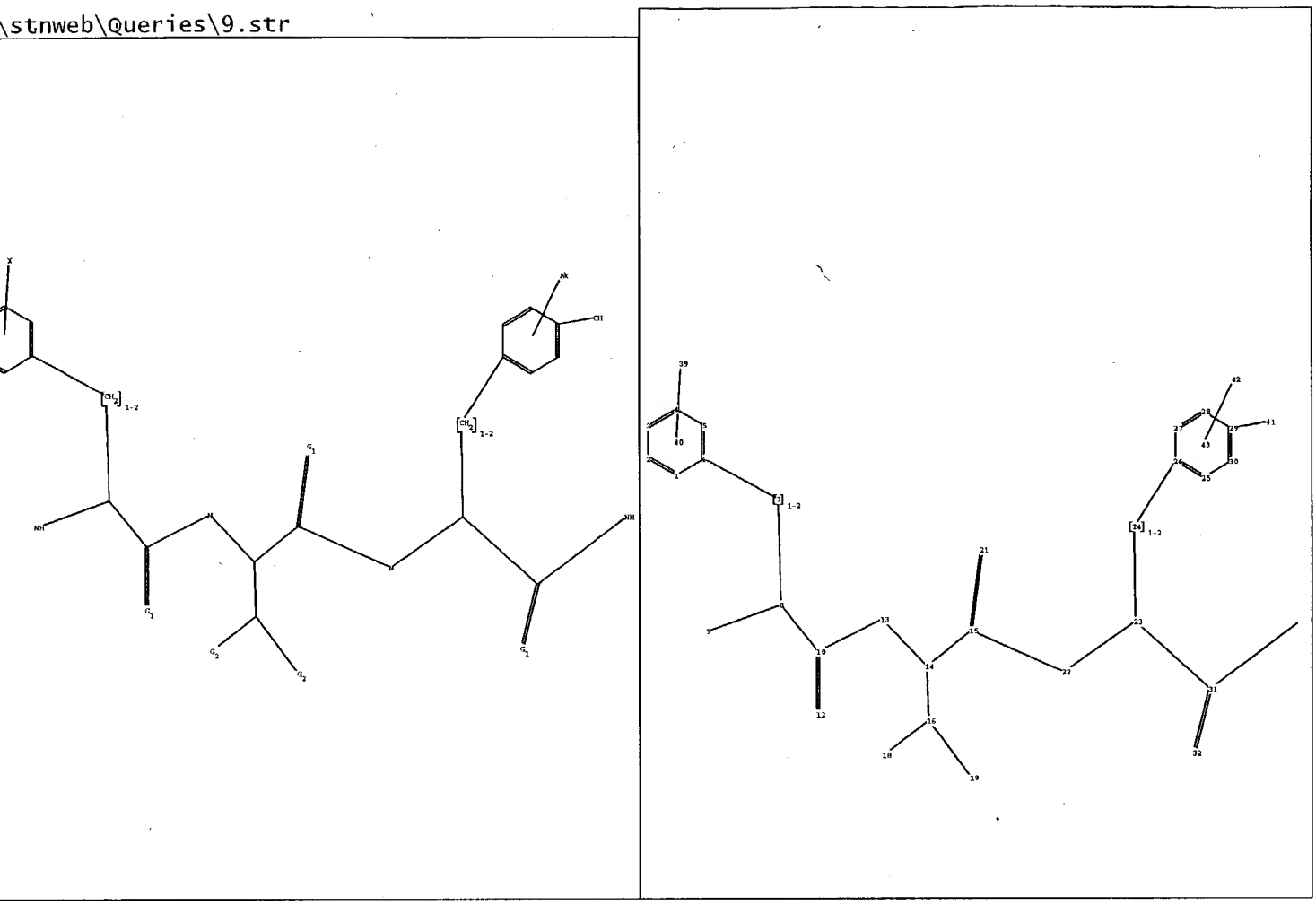
chain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 42
ring nodes :
1 2 3 4 5 6 25 26 27 28 29 30
chain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 28-42 29-41 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 28-42 29-41 31-32 31-33
exact bonds :
6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
solated ring systems :
containing 1 : 25 :

G1:O,S

G2:CH3,Et

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

\stnweb\Queries\9.str



ain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 42
ng nodes :
1 2 3 4 5 6 25 26 27 28 29 30
ain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 29-41 31-32 31-33
ng bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
act/norm bonds :
8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 29-41 31-32 31-33
act bonds :
6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
rmalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
olated ring systems :
containing 1 : 25 :

:O,S

:CH3,Et

tch level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
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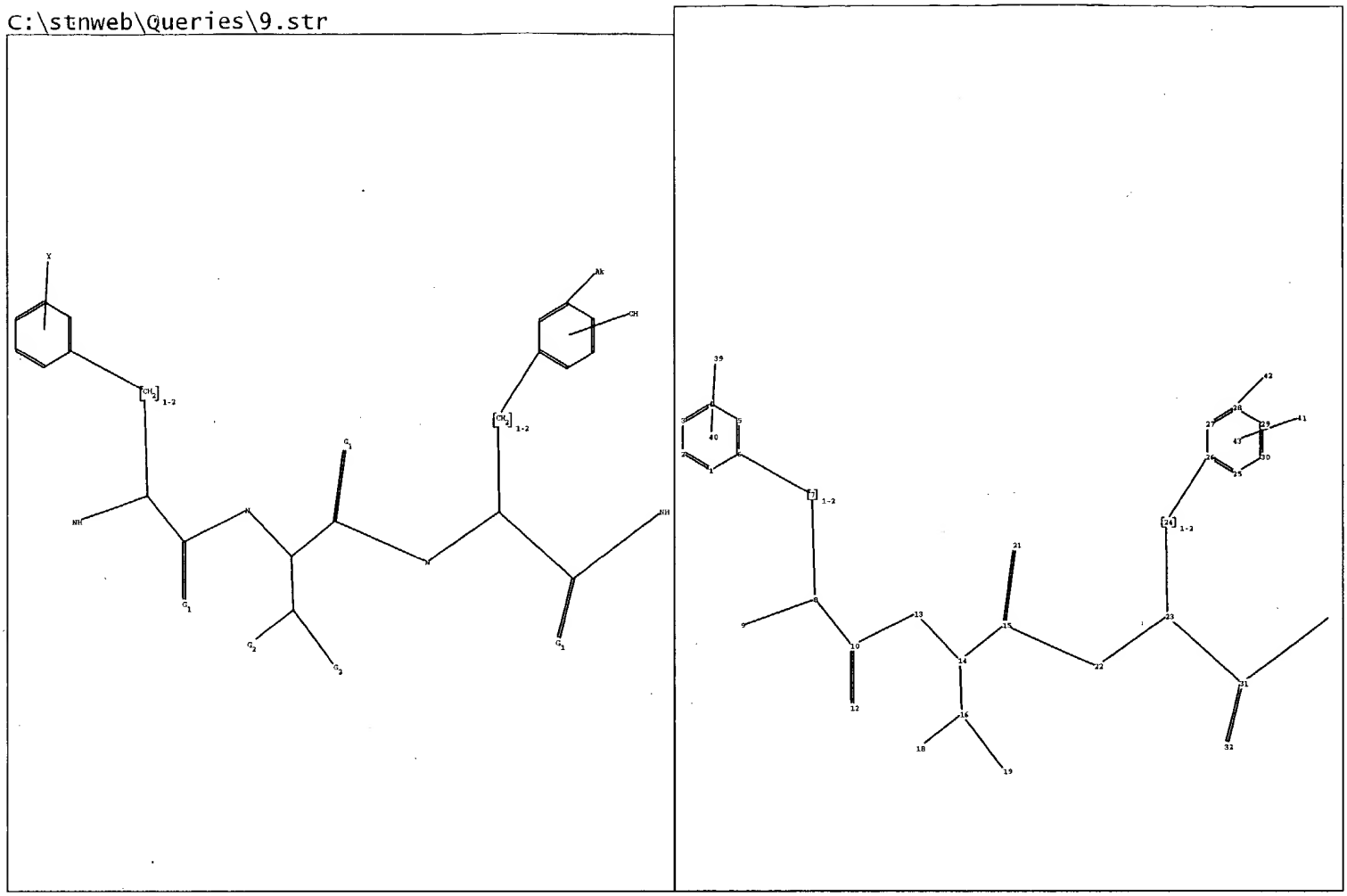
C:\stnweb\Queries\9.str



chain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 42
ring nodes :
1 2 3 4 5 6 25 26 27 28 29 30
chain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 28-42 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 28-42 31-32 31-33
exact bonds :
6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
isolated ring systems :
containing 1 : 25 :

G1:O,S

G2:CH3,Et

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS

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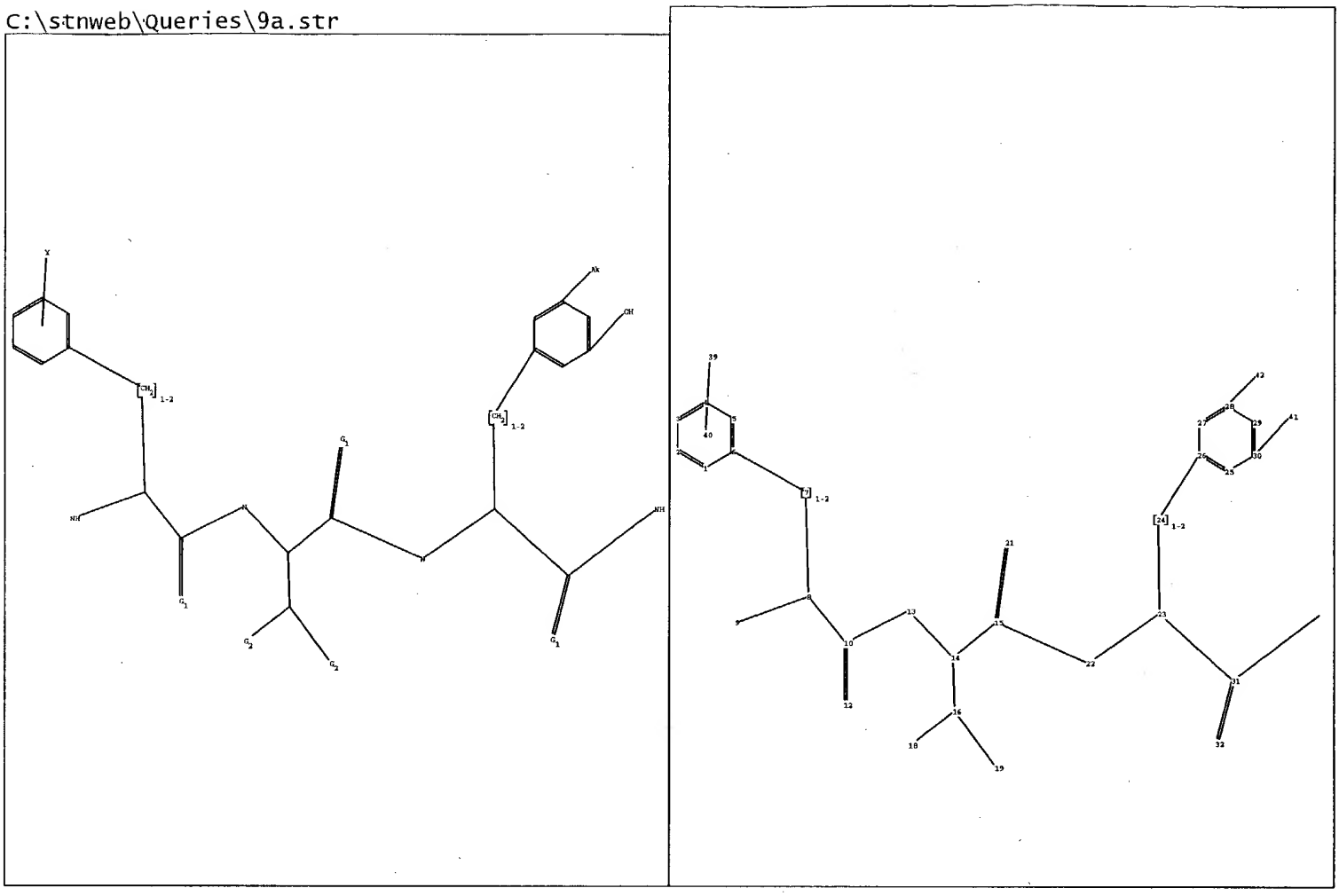

chain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 42
ring nodes :
1 2 3 4 5 6 25 26 27 28 29 30
chain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 28-42 30-41 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 28-42 30-41 31-32 31-33
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6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
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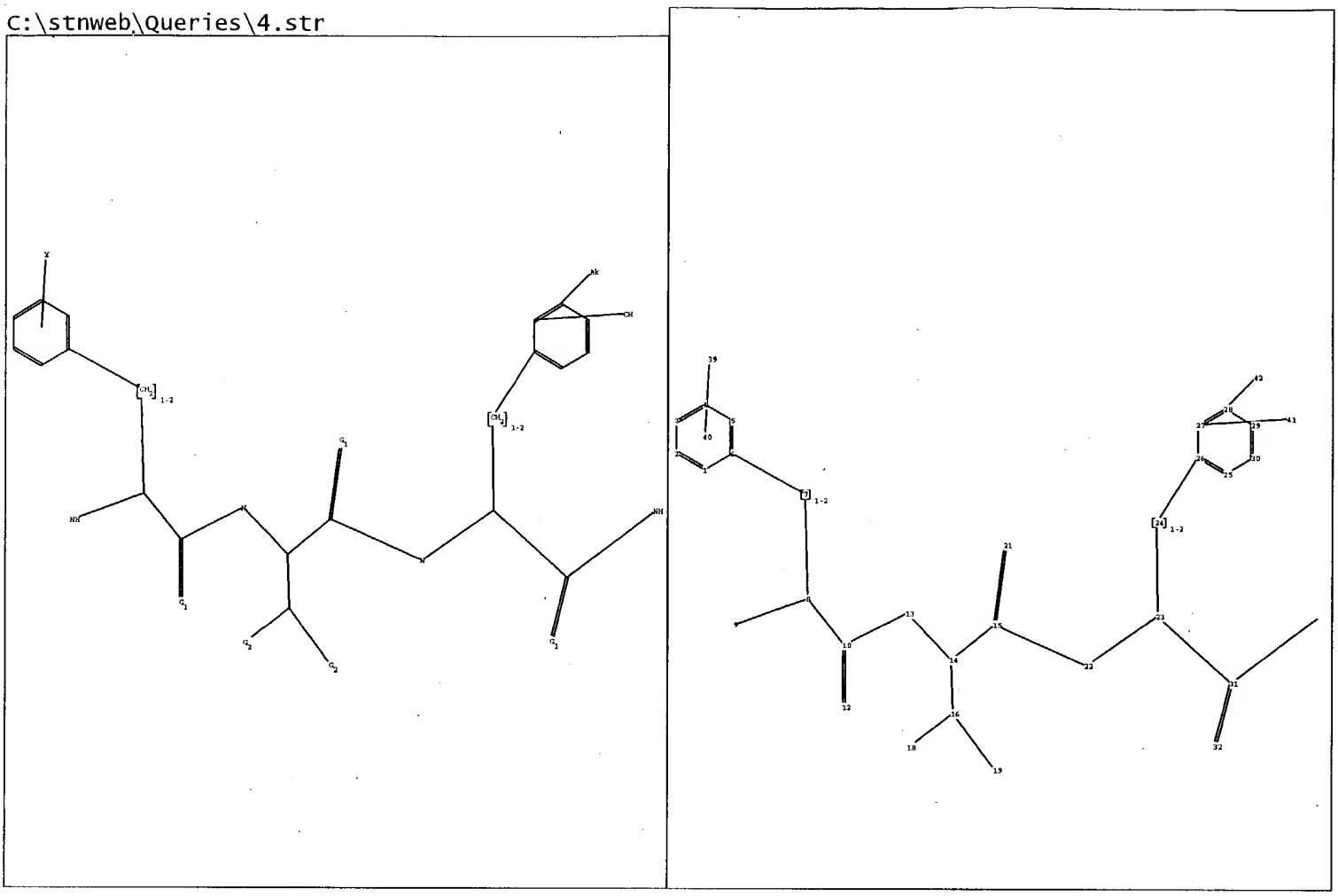
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

C:\stnweb\Queries\4.str



chain nodes :
7 8 9 10 12 13 14 15 16 18 19 21 22 23 24 31 32 33 39 41 42
ring nodes :
1 2 3 4 5 6 25 26 27 28 29 30
chain bonds :
6-7 7-8 8-9 8-10 10-12 10-13 13-14 14-15 14-16 15-21 15-22 16-19 16-18 22-23
23-24 23-31 24-26 27-41 28-42 31-32 31-33
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1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
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8-9 10-12 10-13 13-14 15-21 15-22 16-19 16-18 22-23 27-41 28-42 31-32 31-33
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6-7 7-8 8-10 14-15 14-16 23-24 23-31 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 25-26 25-30 26-27 27-28 28-29 29-30
isolated ring systems :
containing 1 : 25 :

G1:O,S

G2:CH3,Et

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS 22:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS 33:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
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NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
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NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
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NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 20:58:31 ON 02 SEP 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

h eb c g cg b cg eb

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FILE 'REGISTRY' ENTERED AT 20:58:58 ON 02 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES:    1 SEP 2004  HIGHEST RN 737690-81-2
DICTIONARY FILE UPDATES:   1 SEP 2004  HIGHEST RN 737690-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

=> s l1
SAMPLE SEARCH INITIATED 21:04:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21339 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                          1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418042 TO   435518
PROJECTED ANSWERS:             149 TO      703

L2            1 SEA SSS SAM L1

=>
L3      STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3              STR

=> s l3
SAMPLE SEARCH INITIATED 21:05:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  11723 TO ITERATE

  8.5% PROCESSED    1000 ITERATIONS                          1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
```

h eb c g cg b cg eb

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       227975 TO   240945
PROJECTED ANSWERS:              29 TO      439

L4            1 SEA SSS SAM L3

=> s l3 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 21:05:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 236139 TO ITERATE

100.0% PROCESSED  236139 ITERATIONS                          128 ANSWERS
SEARCH TIME: 00.00.11

L5          128 SEA SSS FUL L3

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COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 160.04     160.25

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FILE COVERS 1907 - 2 Sep 2004  VOL 141 ISS 10
FILE LAST UPDATED: 1 Sep 2004  (20040901/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=> s l5
L6            3 L5

=> s l6 and matsuoka, h?/au
          2095 MATSUOKA, H?/AU
L7            1 L6 AND MATSUOKA, H?/AU

=> d l7, ibib abs fhitstr, 1

L7   ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Citing References

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ACCESSION NUMBER:         2000:535162  HCAPLUS
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h eb c g cg b cg eb

DOCUMENT NUMBER: 133:150920
TITLE: Preparation of peptides or analogs containing substituted phenethylamine moiety as motilin receptor antagonists
INVENTOR(S): **Matsuoka, Hiroharu**; Sato, Tsutomu; Takahashi, Tadakatsu; Kim, Dong Ick; Jung, Kyung Yun; Park, Chan Hee
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 403 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044770	A1	20000803	WO 2000-JP444	20000128
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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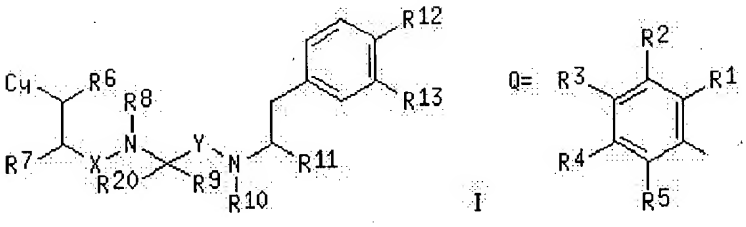
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001003684	A	20010928	NO 2001-3684	20010726

PRIORITY APPLN. INFO.:		
JP 1999-20523	A	19990128
JP 1999-283163	A	19991004
WO 2000-JP444	W	20000128

OTHER SOURCE(S): MARPAT 133:150920
GI



I

AB Substituted phenethylamine derivs. represented by general formula (I), hydrates of the same, or pharmaceutically acceptable salts thereof [wherein Cy is a group represented by general formula Q, an optionally substituted heterocyclic group, C3-7 cycloalkyl, or phenyl; R1, R1, R1, R1 and R5 are each hydrogen, halogeno, hydroxyl, amino, trifluoromethyl or cyano, at least one of R1-R5 being halogeno, trifluoromethyl or cyano; R6 represents hydrogen, (un)substituted linear or branched C1-3 alkyl, amino, or hydroxy; R8 represents hydrogen, Me, or ethyl; R9 represents (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or C2-6 alkynyl, C3-7 cycloalkyl, or (un)substituted Ph; R20 represents hydrogen, or (un)substituted linear or branched C1-3 alkyl or R9 and R20 together forms C3-7 cycloalkyl; R10 represents hydrogen, (un)substituted linear or

h eb c g cg b cg eb

branched C1-3 alkyl; R11 represents hydrogen or (un)substituted linear or branched C1-3 alkyl, (un)substituted carbamoyl, or carboxy; R12 represents hydroxy or linear or branched C1-4 alkoxy; R13 represents hydrogen, (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or alkynyl, etc.; X, Y represents carbonyl or CH2; provisos are given.], which exhibit motilin receptor antagonism and being useful as drugs for preventing digestive tract movement or high level of blood motilin. Thus, 3-methyl-2-methylaminobutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (prepn. given) was condensed with Boc-Phe(4-F)-OH using CMPI in the presence of Et3N in THF under ice-cooling for 4 h followed by treatment of the product with CF3CO2H in CH2Cl2 gave 2-((2-amino-3-(4-fluorophenyl)propanoyl)-N-methylamino)-3-methylbutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (II). II and N-Et-Phe(4-F)-N-Me-Val-N-Et-Tyr(3-tBu)-NHEt showed IC50 of 0.35 and 0.17 nM, resp., for inhibiting binding of 125I-motilin to motilin receptor prepn. from mucus membrane of rabbit duodenum.

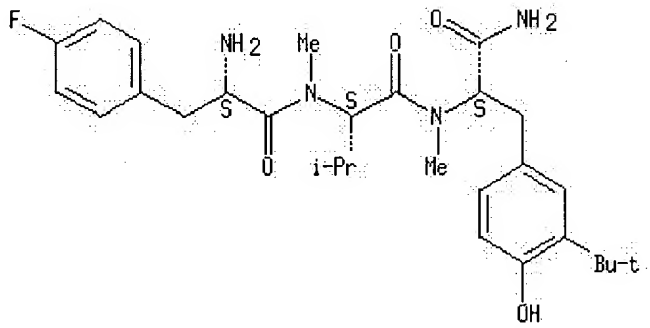
IT **287205-81-6P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of peptides or analogs contg. substituted phenethylamine moiety as motilin receptor antagonists and drugs for preventing digestive tract movement or high level of blood motilin)

RN 287205-81-6 HCAPLUS

CN L-Tyrosinamide, 4-fluoro-L-phenylalanyl-N-methyl-L-valyl-3-(1,1-dimethylethyl)-Nα-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 20:58:58 ON 02 SEP 2004
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L3 STRUCTURE UPLOADED
L4 1 S L3
L5 128 S L3 FULL

FILE 'HCAPLUS' ENTERED AT 21:05:55 ON 02 SEP 2004
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L7 1 S L6 AND MATSUOKA, `H?/AU

h eb c g cg b cg eb

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         20671 SATO, T?/AU
L9            1 L8 AND SATO, T?/AU

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L9   ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Hits to References

ACCESSION NUMBER: 2002:90066 HCAPLUS
DOCUMENT NUMBER: 136:135034
TITLE: Method for producing tripeptide derivative
INVENTOR(S): **Sato, Tsutomu**; Shimizu, Hirohito
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008248	A1	20020131	WO 2001-JP6295	20010719

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: JP 2000-219977 A 20000721
OTHER SOURCE(S): CASREACT 136:135034; MARPAT 136:135034
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB A method for producing L-phenylalanyl-L-valyl-L-3-tert-butyl-L-tyrosinamide compds. represented by the general formula (I; wherein R1 represents a hydrogen atom or a linear or branched aliph. alkyl group having 1 to 4 carbon atoms; R2 represents a hydrogen atom or Me group; R3 represents a hydrogen atom or Me group; and R4 represents a halogen atom) comprises condensation of 3-tert-butyl-L-tyrosinamide derivs. (II; R1 , R2 = same as above) with N-methyl-L-valine derivs. (III; P1 = amino-protecting group), N-deprotection of the resulting L-valyl-3-tert-butyl-L-tyrosinamide derivs. (IV; R1, R2, P1 = same as above), and condensation of the resulting IV (P1 = H; R1 , R2 = same as above) with L-phenylalanine derivs. (V; R3, R4 = same as above; P2 = amino-protecting group) followed by N-deprotection. The method can be advantageously used for producing a novel peptide deriv. in a com. process. Thus, 20.8 g MeSO3H and 20.0 g tert-Bu chloride were

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successively added to 10.0 g L-tyrosine Me ester hydrochloride under stirring, stirred at 50° for 5 h, treated dropwise with MeOH (20 mL)/H2O (20 mL) under ice-cooling then with a soln. of 14.2 g KOH in 43 mL H2O at <10° to give 77.0% 3-tert-butyl-L-tyrosine Me ester which (8.35 g) was added to a mixt. of 24.1 g 62% aq. ethylamine and 7.52 g ethylamine hydrochloride under ice-cooling and stirred at room temp. for 5 h to give 89.8% 3-tert-butyl-L-tyrosine ethylamide (VI). To a soln. of 5.50 g VI and 3.35 g 1-hydroxybenzotriazole monohydrate in 55 mL THF were successively added 4.19 g 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride and 3.04 mL Et3N and stirred at room temp. for 2.5 h to give 100% N-tert-butoxycarbonyl-N-methyl-L-valyl-3-tert-butyl-L-tyrosine ethylamide which (10.0 g) was dissolved in 100 mL EtOAc, treated with 11.1 mL concd. H2SO4 under ice-cooling, treated with 100 mL EtOAc, adjusted pH 8 by adding satd. aq. NaHCO3, and stirred 15 min to give 87.9% N-methyl-L-valyl-3-tert-butyl-L-tyrosine ethylamide (VII). To a mixt. of 5.50 g VII, 5.20 g N-tert-butoxycarbonyl-N-methyl-4-fluoro-L-phenylalanine, 4.47 g 2-chloro-1-methylpyridinium iodide, and 37 mL tert-Bu Me ether was added 5.09 mL Et3N and stirred at room temp. for 4 h to give 86.0% N-tert-butoxycarbonyl-N-methyl-4-fluoro-L-phenylalanyl-N-methyl-L-valyl-3-tert-butyl-L-tyrosine ethylamide which (7.50 g) was similarly deprotected as described above using concd. H2SO4 in EtOAc to give 100% N-methyl-4-fluoro-L-phenylalanyl-N-methyl-L-valyl-3-tert-butyl-L-tyrosine.

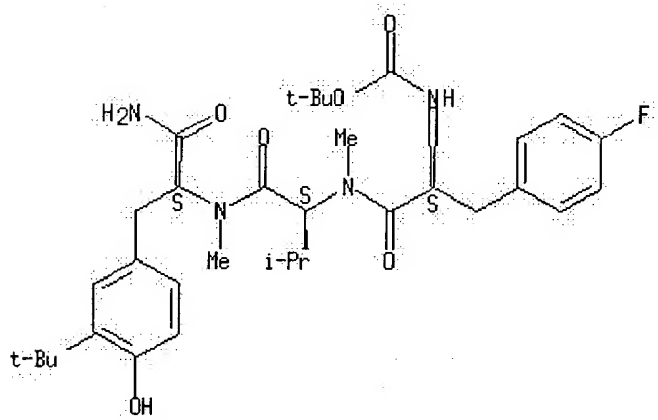
IT **393562-03-3P**

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. tripeptide derivs. by sequential coupling of N-methyl-L-valine derivs. and L-phenylalanine derivs. to 3-tert-butyl-L-tyrosinamide derivs.)

RN 393562-03-3 HCAPLUS

CN L-Tyrosinamide, N-[(1,1-dimethylethoxy)carbonyl]-4-fluoro-L-phenylalanyl-N-methyl-L-valyl-3-(1,1-dimethylethyl)-Nα-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 20:58:58 ON 02 SEP 2004
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L3               STRUCTURE UPLOADED
L4             1 S L3
L5           128 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 21:05:55 ON 02 SEP 2004
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L8             2 S L6 NOT L7
L9             1 S L8 AND SATO, T?/AU

=> s l8 not l9
L10            1 L8 NOT L9

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         17491 TAKAHASHI, T?/AU
L11            0 L10 AND TAKAHASHI, T?/AU

=> s l10  and kim, d?/au
         13514 KIM, D?/AU
L12            1 L10 AND KIM, D?/AU

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NUMBERS IN RANGE MUST BE GREATER THAN ZERO.
An answer number must be a positive number.
ENTER ANSWER NUMBER OR RANGE (1):0
NUMBERS IN RANGE MUST BE GREATER THAN ZERO.
An answer number must be a positive number.
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L12  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Citing References

ACCESSION NUMBER: 2002:637704 HCAPLUS
DOCUMENT NUMBER: 137:185838
TITLE: Process for preparation of peptide derivatives
INVENTOR(S): **Kim, Dong Ick**; Jeon, Gee Ho; Kim, Sung Jin
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064623	A1	20020822	WO 2002-JP1139	20020212

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

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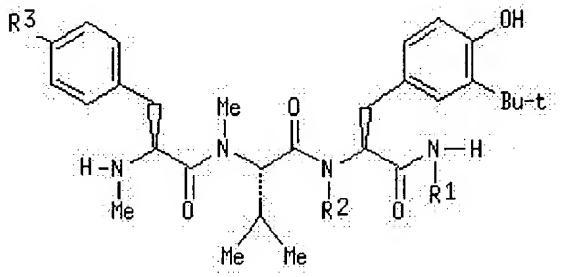
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: KR 2001-6673 A 20010212
OTHER SOURCE(S): CASREACT 137:185838; MARPAT 137:185838
GI



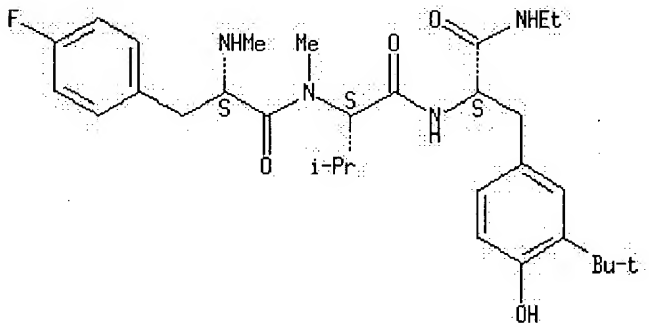
I

AB The title compds. I [R1 is hydrogen or linear or branched C1-4 alkyl; R2 is hydrogen or linear or branched C1-4 alkyl; and R3 is halogeno] are prepd. in a multistep process. I are motilin receptor antagonists and are useful as drugs for gastric or intestinal diseases (no data). Thus, amidation of N-(tert-butoxycarbonyl)-L-(4-fluorophenyl)alanine with L-valine Me ester hydrochloride, followed by methylation with iodomethane, sapon., reaction with 3-tert-butyl-L-tyrosine Et amide, and deprotection, gave N-methyl-L-4-fluorophenylalanyl-N-methyl-L-valine-3-tert-butyl-L-tyrosine Et amide.

IT **287206-61-5P**
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(process for prepn. of peptide derivs.)

RN 287206-61-5 HCAPLUS
CN L-Tyrosinamide, 4-fluoro-N-methyl-L-phenylalanyl-N-methyl-L-valyl-3-(1,1-dimethylethyl)-N-ethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3               STRUCTURE UPLOADED
L4             1 S L3
L5           128 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 21:05:55 ON 02 SEP 2004
L6             3 S L5
L7             1 S L6 AND MATSUOKA, H?/AU
L8             2 S L6 NOT L7
L9             1 S L8 AND SATO, T?/AU
L10            1 S L8 NOT L9
L11            0 S L10 AND TAKAHASHI, T?/AU
L12            1 S L10  AND KIM, D?/AU

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L12  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Citing References

ACCESSION NUMBER: 2002:637704 HCAPLUS
DOCUMENT NUMBER: 137:185838
TITLE: Process for preparation of peptide derivatives
INVENTOR(S): **Kim, Dong Ick**; Jeon, Gee Ho; Kim, Sung Jin
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064623	A1	20020822	WO 2002-JP1139	20020212

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRIORITY APPLN. INFO.: KR 2001-6673 A 20010212
OTHER SOURCE(S): CASREACT 137:185838; MARPAT 137:185838
GI

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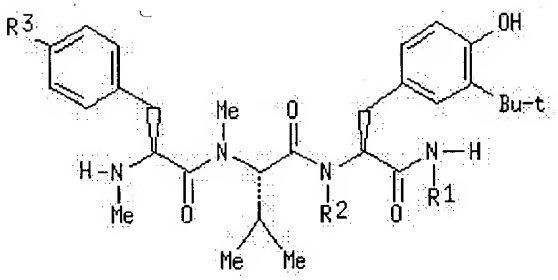


I

AB The title compds. I [R1 is hydrogen or linear or branched C1-4 alkyl; R2 is hydrogen or linear or branched C1-4 alkyl; and R3 is halogeno] are prepd. in a multistep process. I are motilin receptor antagonists and are useful as drugs for gastric or intestinal diseases (no data). Thus, amidation of N-(tert-butoxycarbonyl)-L-(4-fluorophenyl)alanine with L-valine Me ester hydrochloride, followed by methylation with iodomethane, sapon., reaction with 3-tert-butyl-L-tyrosine Et amide, and deprotection, gave N-methyl-L-4-fluorophenylalanyl-N-methyl-L-valine-3-tert-butyl-L-tyrosine Et amide.

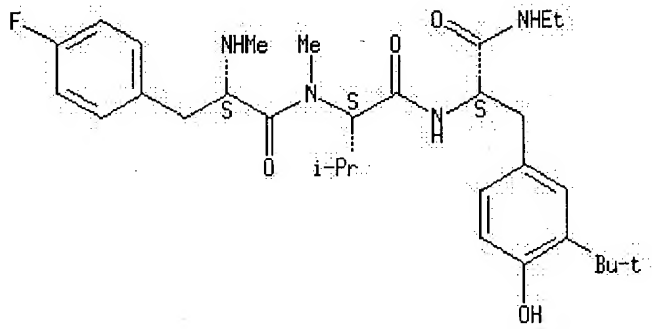
IT **287206-61-5P**

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(process for prepn. of peptide derivs.)

RN 287206-61-5 HCAPLUS

CN L-Tyrosinamide, 4-fluoro-N-methyl-L-phenylalanyl-N-methyl-L-valyl-3-(1,1-dimethylethyl)-N-ethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.48	188.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.80	-2.80

FILE 'CAOLD' ENTERED AT 21:08:12 ON 02 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

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  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

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     FILE 'REGISTRY' ENTERED AT 20:58:58 ON 02 SEP 2004
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L3             STRUCTURE UPLOADED
L4           1 S L3
L5         128 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 21:05:55 ON 02 SEP 2004
L6           3 S L5
L7           1 S L6 AND MATSUOKA, H?/AU
L8           2 S L6 NOT L7
L9           1 S L8 AND SATO, T?/AU
L10          1 S L8 NOT L9
L11          0 S L10 AND TAKAHASHI, T?/AU
L12          1 S L10  AND KIM, D?/AU

     FILE 'CAOLD' ENTERED AT 21:08:12 ON 02 SEP 2004

=> s l5
L13          0 L5

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.42     189.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.80

FILE 'REGISTRY' ENTERED AT 21:08:18 ON 02 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     1 SEP 2004  HIGHEST RN 737690-81-2
DICTIONARY FILE UPDATES:    1 SEP 2004  HIGHEST RN 737690-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004
```

h eb c g cg b cg eb

```
  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
L14     STRUCTURE UPLOADED

=> d l14
L14 HAS NO ANSWERS
L14              STR

=> s l14
SAMPLE SEARCH INITIATED 21:09:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  11723 TO ITERATE

  8.5% PROCESSED    1000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       227975 TO   240945
PROJECTED ANSWERS:              29 TO      439

L15           1 SEA SSS SAM L14

=> s l14 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 21:09:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 236139 TO ITERATE

100.0% PROCESSED  236139 ITERATIONS                             128 ANSWERS
SEARCH TIME: 00.00.12

L16         128 SEA SSS FUL L14

=> d his

     (FILE 'HOME' ENTERED AT 20:58:31 ON 02 SEP 2004)

     FILE 'REGISTRY' ENTERED AT 20:58:58 ON 02 SEP 2004
L1              STRUCTURE UPLOADED
L2            1 S L1
L3              STRUCTURE UPLOADED
L4            1 S L3
L5          128 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 21:05:55 ON 02 SEP 2004
L6            3 S L5
L7            1 S L6 AND MATSUOKA, H?/AU
L8            2 S L6 NOT L7
L9            1 S L8 AND SATO, T?/AU
```

h eb c g cg b cg eb

```
L10           1 S L8 NOT L9
L11           0 S L10 AND TAKAHASHI, T?/AU
L12           1 S L10  AND KIM, D?/AU

     FILE 'CAOLD' ENTERED AT 21:08:12 ON 02 SEP 2004
L13           0 S L5

     FILE 'REGISTRY' ENTERED AT 21:08:18 ON 02 SEP 2004
L14             STRUCTURE UPLOADED
L15           1 S L14
L16         128 S L14 FULL

=> s l16 not l5
L17           0 L16 NOT L5

=>
L18     STRUCTURE UPLOADED

=> d l18
L18 HAS NO ANSWERS
L18             STR

=> s l18
SAMPLE SEARCH INITIATED 21:10:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21339 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418042 TO   435518
PROJECTED ANSWERS:             149 TO      703

L19           1 SEA SSS SAM L18

=>
L20     STRUCTURE UPLOADED

=> d l20
L20 HAS NO ANSWERS
L20             STR

=> s l20
SAMPLE SEARCH INITIATED 21:11:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21339 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418042 TO   435518
PROJECTED ANSWERS:               0 TO        0

L21           0 SEA SSS SAM L20

=>
```

h ebc gcgb cg eb

```
L22     STRUCTURE UPLOADED

=> d 122
L22 HAS NO ANSWERS
L22             STR

=> s 122
SAMPLE SEARCH INITIATED 21:12:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     153 TO ITERATE

100.0% PROCESSED     153 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2318 TO     3802
PROJECTED ANSWERS:               0 TO        0

L23           0 SEA SSS SAM L22

=> s 122
SAMPLE SEARCH INITIATED 21:12:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     153 TO ITERATE

100.0% PROCESSED     153 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2318 TO     3802
PROJECTED ANSWERS:               0 TO        0

L24           0 SEA SSS SAM L22

=> s 122 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 21:12:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   2746 TO ITERATE

100.0% PROCESSED    2746 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L25           0 SEA SSS FUL L22

=>
L26     STRUCTURE UPLOADED

=>  126
L26 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 126
L26 HAS NO ANSWERS
L26             STR

=> s 126
SAMPLE SEARCH INITIATED 21:13:07 FILE 'REGISTRY'
```

h eb c g cg b cg eb

```
SAMPLE SCREEN SEARCH COMPLETED -    342 TO ITERATE

100.0% PROCESSED     342 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         5731 TO     7949
PROJECTED ANSWERS:               0 TO        0

L27           0 SEA SSS SAM L26

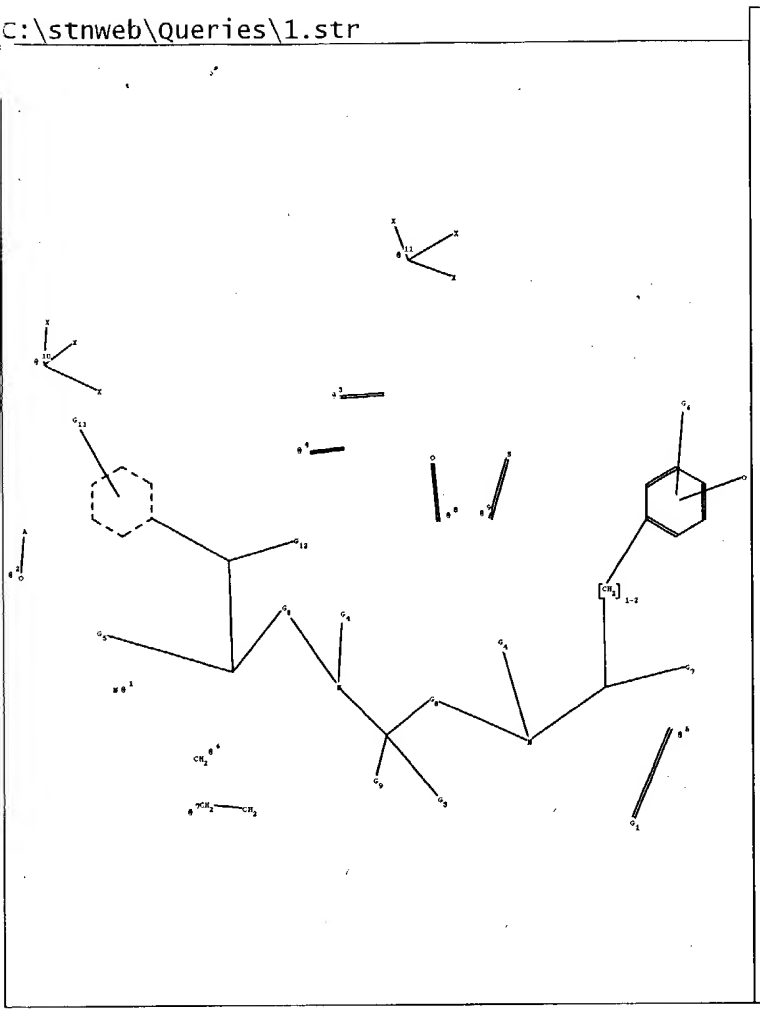
=> s l26 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 21:13:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   7164 TO ITERATE

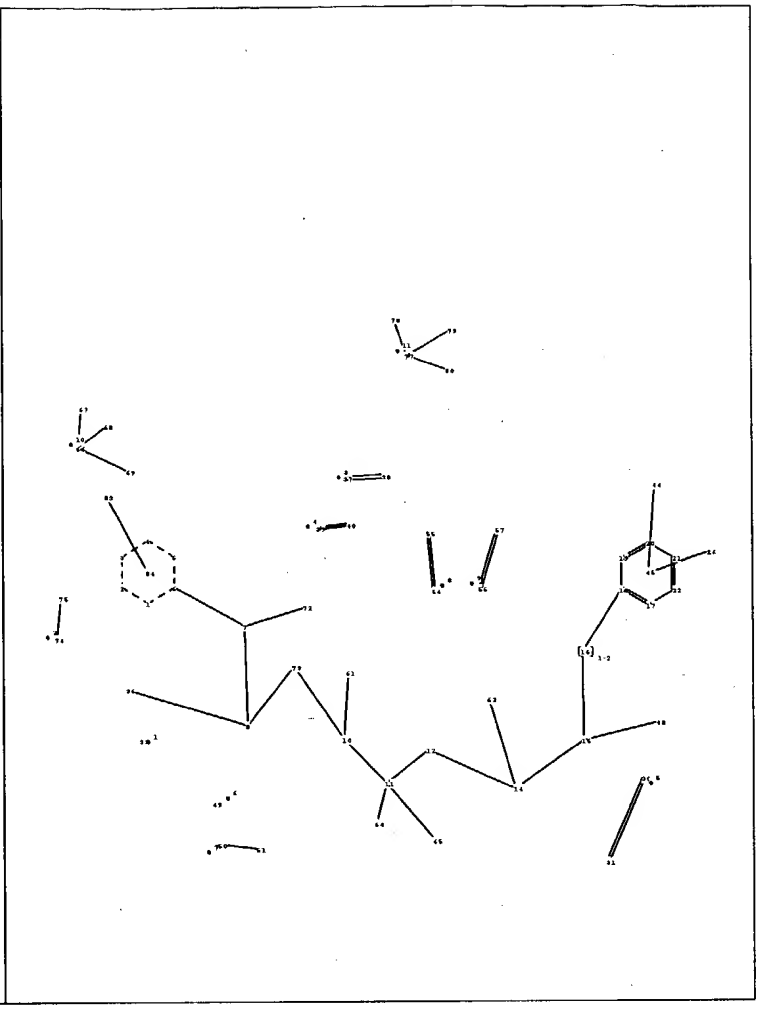
100.0% PROCESSED    7164 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L28           0 SEA SSS FUL L26

=>
```

C:\stnweb\Queries\1.str





chain nodes :
7 8 10 11 12 14 15 16 26 30 31 33 36 37 38 39 40 44 48 49 50 51 54
55 56 57 61 62 64 65 66 67 68 69 72 73 74 75 77 78 79 80 83
ring nodes :
1 2 3 4 5 6 17 18 19 20 21 22
chain bonds :
6-7 7-8 7-72 8-36 8-73 10-61 10-11 10-73 11-12 11-64 11-65 12-14 14-15 14-62
15-16 15-48 16-18 30-31 37-38 39-40 50-51 54-55 56-57 66-68 66-69 66-67 74-75
77-79 77-80 77-78
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-72 8-36 10-61 10-11 11-12 11-64 11-65 12-14 14-15
14-62 15-48 30-31 54-55 56-57 74-75
exact bonds :
6-7 7-8 8-73 10-73 15-16 16-18 37-38 39-40 50-51 66-68 66-69 66-67 77-79
77-80 77-78
normalized bonds :
17-18 17-22 18-19 19-20 20-21 21-22
isolated ring systems :
containing 1 : 17 :

G1:O,S

G2:CH3,Et

G3:H,Ak

G4:CH3,Et,H

G5:Ak,H,OH,[*1],[*2]

G6:Ak,Cb,[*3],[*4]

G7:COOH,Ak,H,[*5]

G8:[*6],[*7],[*8],[*9]

G9:Ak,Ph

G12:H,OH,NH2,CN,[*10]

G13:CN,X,[*11]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 26:CLASS 27:CLASS 30:CLASS 31:CLASS 33:CLASS 36:CLASS 37:CLASS 38:CLASS
39:CLASS 40:CLASS 44:CLASS 45:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS 54:CLASS
55:CLASS 56:CLASS 57:CLASS 61:CLASS 62:CLASS 64:CLASS 65:CLASS 66:CLASS 67:CLASS
68:CLASS 69:CLASS 72:CLASS 73:CLASS 74:CLASS 75:CLASS 77:CLASS 78:CLASS 79:CLASS
80:CLASS 83:CLASS 84:CLASS

```
=>
L124     STRUCTURE UPLOADED

=> d 1124
L124 HAS NO ANSWERS
L124             STR

=> s 1124
SAMPLE SEARCH INITIATED 23:29:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  17092 TO ITERATE

  5.9% PROCESSED    1000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       334015 TO   349665
PROJECTED ANSWERS:              93 TO      589

L125          1 SEA SSS SAM L124

=> s 1125
SAMPLE SEARCH INITIATED 23:30:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  17092 TO ITERATE

  5.9% PROCESSED    1000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       334015 TO   349665
PROJECTED ANSWERS:              93 TO      589

L126          1 SEA SSS SAM L124

=> s 1125 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 23:30:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 342655 TO ITERATE

100.0% PROCESSED  342655 ITERATIONS                             353 ANSWERS
SEARCH TIME: 00.00.16

L127        353 SEA SSS FUL L124

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY     SESSION
FULL ESTIMATED COST                              329.32     3308.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY     SESSION
CA SUBSCRIBER PRICE                                0.00       -9.10

FILE 'HCAPLUS' ENTERED AT 23:31:50 ON 02 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

h eb c g cg b cg eb

FILE COVERS 1907 - 2 Sep 2004 VOL 141 ISS 10
FILE LAST UPDATED: 1 Sep 2004 (20040901/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l127
L128 4 L127

=> s l128 and matsuoka, h?/au
2095 MATSUOKA, H?/AU
L129 2 L128 AND MATSUOKA, H?/AU

=> d l29, ibib abs fhitstr, 1-2
L29 HAS NO ANSWERS
'IBIB ABS FHITSTR ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
data. (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
data.
SDA ----- All Structure DAta (image, attributes, connection table and
map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIA), SCT, SDA, SIM, SAT, NOS:end

=> d l129, ibib abs fhitstr, 1-2

L129 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
Full Text | Citing References

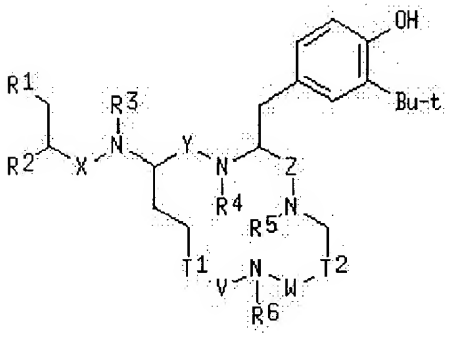
ACCESSION NUMBER: 2002:157810 HCAPLUS
DOCUMENT NUMBER: 136:217049
TITLE: Preparation of cyclic peptide derivatives as motilin receptor antagonists
INVENTOR(S): Matsuoka, Hiroharu; Sato, Tsutomu
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

h eb c g cg b cg eb

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002016404	A1	20020228	WO 2001-JP7213	20010823
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001080120	A5	20020304	AU 2001-80120	20010823
EP 1312612	A1	20030521	EP 2001-958426	20010823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003191053	A1	20031009	US 2003-362574	20030224
PRIORITY APPLN. INFO.:			JP 2000-253950 A	20000824
			WO 2001-JP7213 W	20010823

OTHER SOURCE(S): MARPAT 136:217049

GI



I

AB The title compds. I [T1 = (CH2)m; T2 = (CH2)n; R1 represents optionally substituted Ph, etc.; R2 represents amino, etc.; R3 to R6 each represents hydrogen, Me, etc.; V, W, X,Y, Z represent carbonyl or methylene; m is an integer of 0 to 2; and n is an integer of 0 to 3] are prepd. In an in vitro test for motilin receptor antagonism, (2S-(2S,12S))-2-amino-N-(2-(3-tert-butyl-4-hydroxylphenylmethyl)-1,4,8-triaza-3,7,13-trioxocyclotridecan-12-yl)-3-(4-fluorophenyl)-N-methylpropionamide showed IC50 of 0.52 nM.

IT 401896-13-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

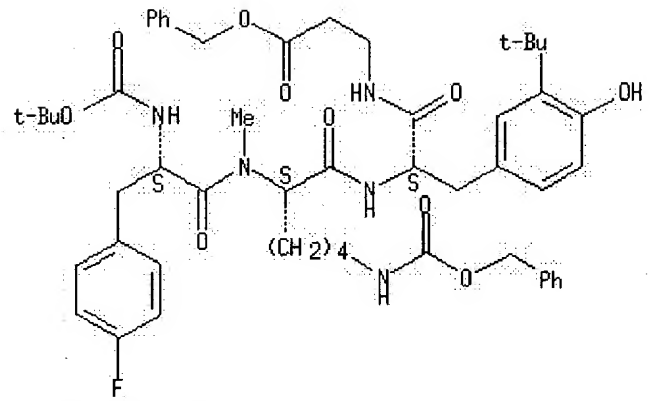
(prepn. of cyclic peptide derivs. as motilin receptor antagonists)

RN 401896-13-7 HCAPLUS

CN β-Alanine, N-[(1,1-dimethylethoxy)carbonyl]-4-fluoro-L-phenylalanyl-N2-methyl-N6-[(phenylmethoxy)carbonyl]-L-lysyl-3-(1,1-dimethylethyl)-L-tyrosyl-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

h eb c g cg b cg eb



Claims 19

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L129 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text | Citing References

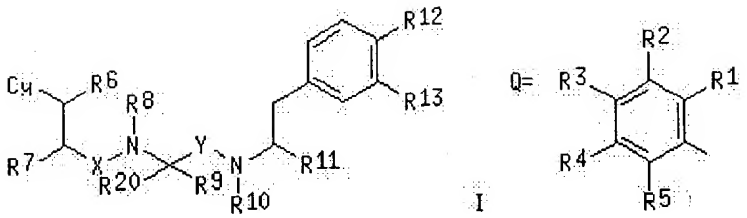
ACCESSION NUMBER: 2000:535162 HCAPLUS
DOCUMENT NUMBER: 133:150920
TITLE: Preparation of peptides or analogs containing substituted phenethylamine moiety as motilin receptor antagonists
INVENTOR(S): Matsuoka, Hiroharu; Sato, Tsutomu; Takahashi, Tadakatsu; Kim, Dong Ick; Jung, Kyung Yun; Park, Chan Hee
PATENT ASSIGNEE(S): Chugai Seiyaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 403 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044770	A1	20000803	WO 2000-JP444	20000128
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2359030	AA	20000803	CA 2000-2359030	20000128
EP 1149843	A1	20011031	EP 2000-901956	20000128
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NO 2001003684	A	20010928	NO 2001-3684	20010726

PRIORITY APPLN. INFO.:		
JP 1999-20523	A	19990128
JP 1999-283163	A	19991004
WO 2000-JP444	W	20000128

OTHER SOURCE(S): MARPAT 133:150920
GI

h eb c g cg b cg eb



AB Substituted phenethylamine derivs. represented by general formula (I), hydrates of the same, or pharmaceutically acceptable salts thereof [wherein Cy is a group represented by general formula Q, an optionally substituted heterocyclic group, C3-7 cycloalkyl, or phenyl; R1, R1, R1, R1 and R5 are each hydrogen, halogeno, hydroxyl, amino, trifluoromethyl or cyano, at least one of R1-R5 being halogeno, trifluoromethyl or cyano; R6 represents hydrogen, (un)substituted linear or branched C1-3 alkyl, amino, or hydroxy; R8 represents hydrogen, Me, or ethyl; R9 represents (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or C2-6 alkynyl, C3-7 cycloalkyl, or (un)substituted Ph; R20 represents hydrogen, or (un)substituted linear or branched C1-3 alkyl or R9 and R20 together forms C3-7 cycloalkyl; R10 represents hydrogen, (un)substituted linear or branched C1-3 alkyl; R11 represents hydrogen or (un)substituted linear or branched C1-3 alkyl, (un)substituted carbamoyl, or carboxy; R12 represents hydroxy or linear or branched C1-4 alkoxy; R13 represents hydrogen, (un)substituted linear or branched C1-6 alkyl, C2-6 alkenyl, or alkynyl, etc.; X, Y represents carbonyl or CH2; provisos are given.], which exhibit motilin receptor antagonism and being useful as drugs for preventing digestive tract movement or high level of blood motilin. Thus, 3-methyl-2-methylaminobutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (prepn. given) was condensed with Boc-Phe(4-F)-OH using CMPI in the presence of Et3N in THF under ice-cooling for 4 h followed by treatment of the product with CF3CO2H in CH2Cl2 gave 2-((2-amino-3-(4-fluorophenyl)propanoyl)-N-methylamino)-3-methylbutyric acid 2-(3-tert-butyl-4-hydroxyphenyl)-1-(2-pyridylcarbamoyl)ethylamide (II). II and N-Et-Phe(4-F)-N-Me-Val-N-Et-Tyr(3-tBu)-NHEt showed IC50 of 0.35 and 0.17 nM, resp., for inhibiting binding of 125I-motilin to motilin receptor prepn. from mucus membrane of rabbit duodenum.

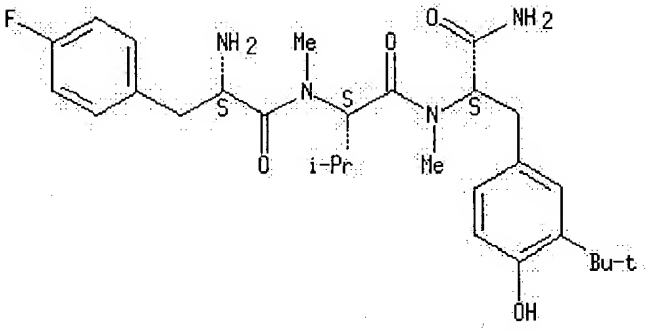
IT 287205-81-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of peptides or analogs contg. substituted phenethylamine moiety as motilin receptor antagonists and drugs for preventing digestive tract movement or high level of blood motilin)

RN 287205-81-6 HCAPLUS

CN L-Tyrosinamide, 4-fluoro-L-phenylalanyl-N-methyl-L-valyl-3-(1,1-dimethylethyl)-Nα-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

h eb c g cg b cg eb



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	61.44	3369.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.40	-10.50

FILE 'CAOLD' ENTERED AT 23:44:54 ON 02 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 21:22:36 ON 02 SEP 2004)

FILE 'REGISTRY' ENTERED AT 21:22:42 ON 02 SEP 2004
L1 STRUCTURE UPLOADED
L2 1 S L1
L3 196 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 21:26:58 ON 02 SEP 2004
L4 STRUCTURE UPLOADED
S L4

FILE 'REGISTRY' ENTERED AT 21:28:05 ON 02 SEP 2004
L5 1 S L4

h eb c g cg b cg eb

```
     FILE 'HCAPLUS' ENTERED AT 21:28:06 ON 02 SEP 2004
L6             1 S L5

     FILE 'REGISTRY' ENTERED AT 21:28:09 ON 02 SEP 2004
L7               STRUCTURE UPLOADED
L8             1 S L7

     FILE 'HCAPLUS' ENTERED AT 21:28:41 ON 02 SEP 2004
L9             4 S L3

     FILE 'CAOLD' ENTERED AT 21:29:13 ON 02 SEP 2004
L10            0 S L9

     FILE 'REGISTRY' ENTERED AT 21:29:19 ON 02 SEP 2004
L11              STRUCTURE UPLOADED
L12            2 S L11
L13          352 S L11 FULL

     FILE 'HCAPLUS' ENTERED AT 21:31:02 ON 02 SEP 2004
L14            7 S L13
L15            3 S L14 NOT L9
L16            1 S L15 AND MATSUOKA, H?/AU
L17            2 S L15 NOT L16
L18            1 S L17 AND SATO, T?/AU
L19            1 S L17 NOT L18
L20            0 S L19 AND TAKAHASHI, T?/AU
L21            0 S L17 AND KIM, D?/AU
L22            0 S L17 AND JUNG, K?/AU
L23            0 S L17 AND PARK, C?/AU
L24            0 S L19 AND KIM, D?/AU
L25            0 S L19 AND PARK, C?/AU

     FILE 'CAOLD' ENTERED AT 21:33:05 ON 02 SEP 2004
L26            0 S L13

     FILE 'REGISTRY' ENTERED AT 21:33:13 ON 02 SEP 2004
L27              STRUCTURE UPLOADED
L28            2 S L27
L29              STRUCTURE UPLOADED
L30           50 S L29
L31        15669 S L29 FULL

     FILE 'HCAPLUS' ENTERED AT 21:35:22 ON 02 SEP 2004
L32         8855 S L31

     FILE 'REGISTRY' ENTERED AT 21:35:31 ON 02 SEP 2004
L33              STRUCTURE UPLOADED
L34           50 S L33
L35              STRUCTURE UPLOADED
L36            0 S L35
L37          347 S L35 FULL

     FILE 'HCAPLUS' ENTERED AT 21:38:15 ON 02 SEP 2004
L38            7 S L37
L39            0 S L38 NOT L14

     FILE 'REGISTRY' ENTERED AT 21:38:35 ON 02 SEP 2004
L40              STRUCTURE UPLOADED
L41            2 S L40
L42          351 S L40 FULL
```

h eb c g cg b cg eb

```
     FILE 'HCAPLUS' ENTERED AT 21:41:36 ON 02 SEP 2004
L43            7 S L42

     FILE 'REGISTRY' ENTERED AT 21:41:41 ON 02 SEP 2004
L44               STRUCTURE UPLOADED
L45           50 S L44
L46               STRUCTURE UPLOADED
L47            2 S L46
L48          351 S L46 FULL
L49               STRUCTURE UPLOADED
L50            2 S L49
L51          380 S L49 FULL

     FILE 'HCAPLUS' ENTERED AT 21:47:37 ON 02 SEP 2004
L52            7 S L51

     FILE 'REGISTRY' ENTERED AT 21:47:42 ON 02 SEP 2004
L53               STRUCTURE UPLOADED
L54            2 S L53
L55          439 S L53 FULL

     FILE 'HCAPLUS' ENTERED AT 21:50:36 ON 02 SEP 2004
L56           10 S L55
L57            3 S L56 NOT L43

     FILE 'CAOLD' ENTERED AT 21:52:39 ON 02 SEP 2004
L58            0 S L55

     FILE 'REGISTRY' ENTERED AT 21:52:47 ON 02 SEP 2004
L59               STRUCTURE UPLOADED
L60            2 S L59
L61          439 S L59 FULL

     FILE 'HCAPLUS' ENTERED AT 21:57:31 ON 02 SEP 2004
L62           10 S L61

     FILE 'REGISTRY' ENTERED AT 21:57:38 ON 02 SEP 2004
L63               STRUCTURE UPLOADED
L64            2 S L63
L65               STRUCTURE UPLOADED
L66               STRUCTURE UPLOADED
L67            2 S L66
L68               STRUCTURE UPLOADED
L69            1 S L68
L70               STRUCTURE UPLOADED
L71            0 S L70
L72               STRUCTURE UPLOADED
L73            0 S L72
L74           10 S L72 FULL
L75               STRUCTURE UPLOADED
L76            0 S L75
L77            0 S L74 NOT L61
L78               STRUCTURE UPLOADED
L79            0 S L78
L80            0 S L78 FULL
L81               STRUCTURE UPLOADED
L82            0 S L81
L83            0 S L81 FULL
L84               STRUCTURE UPLOADED
```

h eb c g cg b cg eb

```
L85             0 S L84
L86             0 S L84 FULL
L87               STRUCTURE UPLOADED
L88             0 S L87
L89             0 S L87 FULL
L90               STRUCTURE UPLOADED
L91             0 S L90
L92               STRUCTURE UPLOADED
L93             0 S L92
L94             0 S L92 FULL
L95               STRUCTURE UPLOADED
L96             0 S L95
L97             5 S L95 FULL

     FILE 'HCAPLUS' ENTERED AT 22:40:59 ON 02 SEP 2004
L98             1 S L97

     FILE 'CAOLD' ENTERED AT 22:41:17 ON 02 SEP 2004
L99             0 S L97

     FILE 'REGISTRY' ENTERED AT 22:41:28 ON 02 SEP 2004
L100              STRUCTURE UPLOADED
L101            0 S L100
L102            0 S L100 FULL
L103              STRUCTURE UPLOADED
L104            1 S L103
L105              STRUCTURE UPLOADED
L106            0 S L105
L107              STRUCTURE UPLOADED
L108            0 S L107
L109           41 S L107 FULL

     FILE 'HCAPLUS' ENTERED AT 22:56:53 ON 02 SEP 2004
L110            2 S L109

     FILE 'CAOLD' ENTERED AT 23:00:44 ON 02 SEP 2004
L111            0 S L109

     FILE 'HCAPLUS' ENTERED AT 23:00:59 ON 02 SEP 2004
L112            1 S 130:19658/DN
                  SEL RN

     FILE 'HCAPLUS' ENTERED AT 23:01:37 ON 02 SEP 2004
L113       880326 S E1-E4

     FILE 'REGISTRY' ENTERED AT 23:02:05 ON 02 SEP 2004
L114            4 S E1-E4

     FILE 'REGISTRY' ENTERED AT 23:02:44 ON 02 SEP 2004

     FILE 'HCAPLUS' ENTERED AT 23:03:10 ON 02 SEP 2004
L115            1 S 130:196958/DN
                  SEL RN

     FILE 'REGISTRY' ENTERED AT 23:03:32 ON 02 SEP 2004

     FILE 'HCAPLUS' ENTERED AT 23:03:38 ON 02 SEP 2004
                  DELETE SELECT
                  SEL RN
```

h eb c g cg b cg eb

```
     FILE 'REGISTRY' ENTERED AT 23:04:01 ON 02 SEP 2004
L116         276 S E1-E276
L117             STRUCTURE UPLOADED
L118           0 S L117
L119           0 S L118 FULL
L120             STRUCTURE UPLOADED
L121           2 S L120
L122             STRUCTURE UPLOADED
L123           2 S L122
L124             STRUCTURE UPLOADED
L125           1 S L124
L126           1 S L125
L127         353 S L125 FULL

     FILE 'HCAPLUS' ENTERED AT 23:31:50 ON 02 SEP 2004
L128           4 S L127
L129           2 S L128 AND MATSUOKA, H?/AU

     FILE 'CAOLD' ENTERED AT 23:44:54 ON 02 SEP 2004

=> s l127
L130           0 L127

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                0.42    3369.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00     -10.50

FILE 'REGISTRY' ENTERED AT 23:45:20 ON 02 SEP 2004
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STRUCTURE FILE UPDATES:     1 SEP 2004  HIGHEST RN 737690-81-2
DICTIONARY FILE UPDATES:    1 SEP 2004  HIGHEST RN 737690-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
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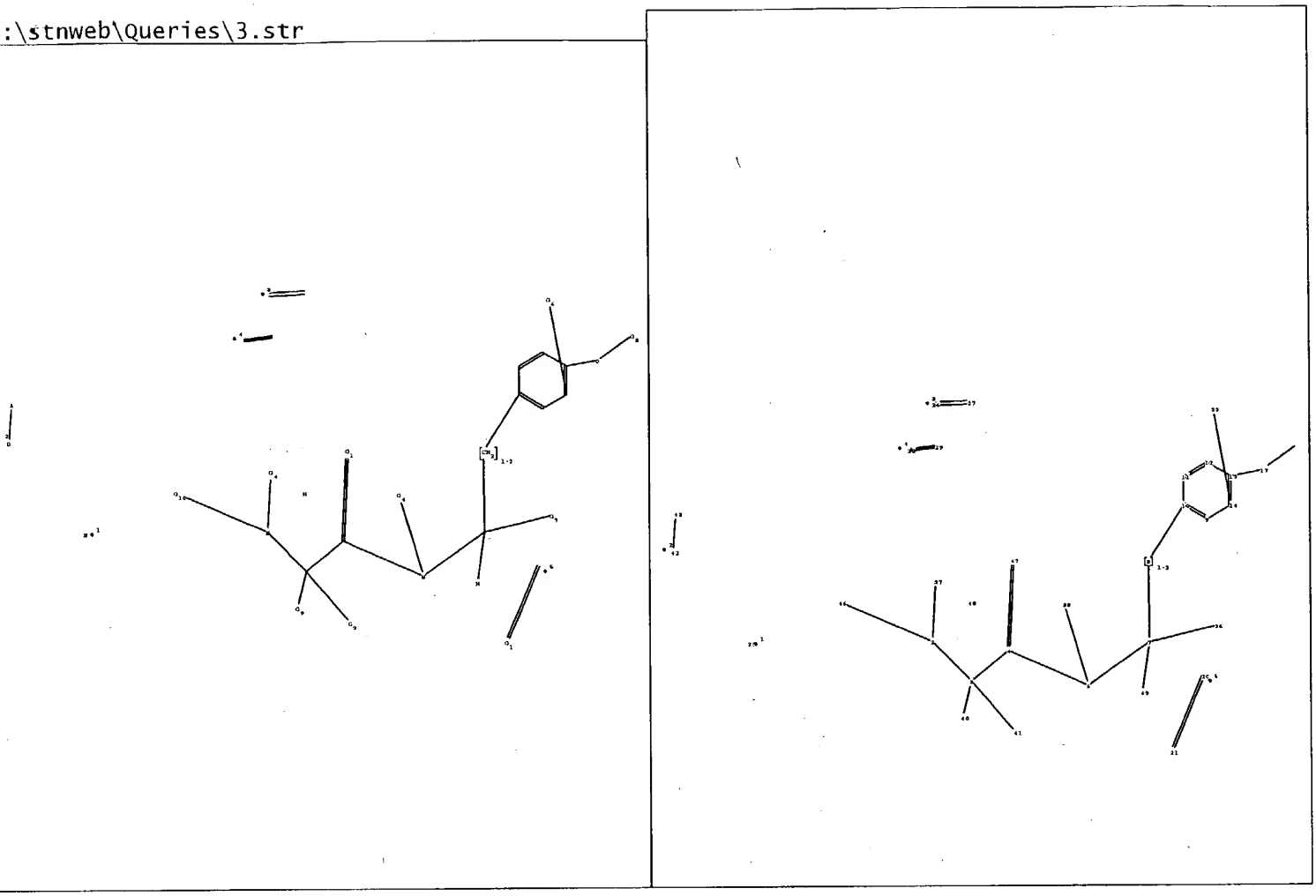
Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
```

h eb c g cg b cg eb

:\stnweb\Queries\3.str



chain nodes :
2 3 4 6 7 8 17 20 21 23 26 27 28 29 33 36 37 38 40 41 42 43 46 47
48 49 50
ring nodes :
9 10 11 12 13 14
chain bonds :
2-37 2-3 2-46 3-4 3-40 3-41 4-6 4-47 6-7 6-38 7-8 7-36 7-49 8-10 13-17
14-33 17-50 20-21 26-27 28-29 42-43
ring bonds :
9-10 9-14 10-11 11-12 12-13 13-14
exact/norm bonds :
2-37 2-3 2-46 3-40 3-41 4-6 4-47 6-7 6-38 7-36 13-17 14-33 17-50 20-21
42-43
exact bonds :
3-4 7-8 7-49 8-10 26-27 28-29
normalized bonds :
9-10 9-14 10-11 11-12 12-13 13-14

G1:O,S

G2:CH3,Et

G3:H,Ak

G4:CH3,Et,H

G5:Ak,H,OH,[*1],[*2]

G6:Ak,Cb,[*3],[*4]

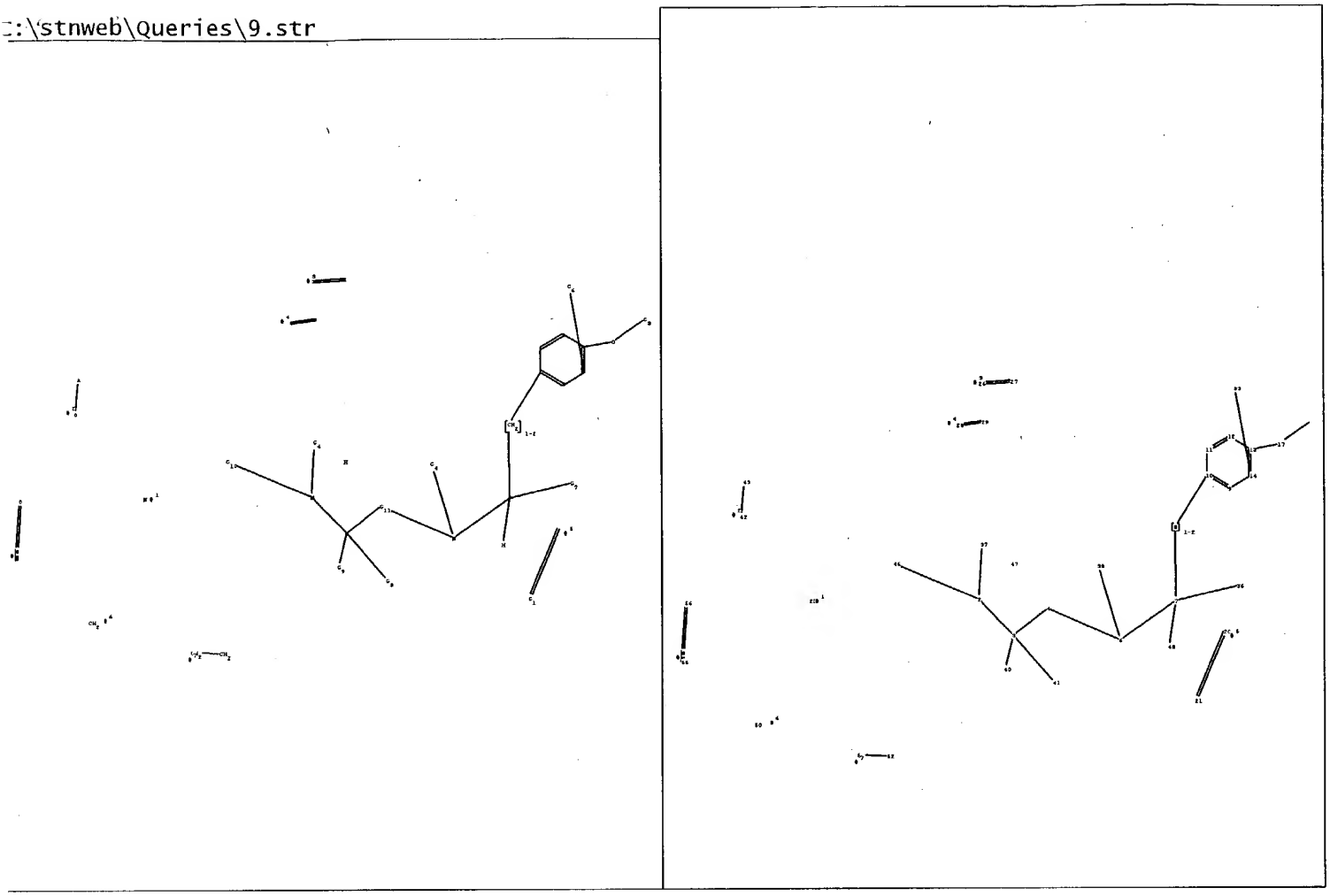
G7:COOH,Ak,H,[*5]

G9:Ak,Ph

10:H,A

atch level :
2:CLASS 3:CLASS 4:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom
13:Atom 14:Atom 17:CLASS 20:CLASS 21:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS
29:CLASS 33:CLASS 36:CLASS 37:CLASS 38:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS
46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS

C:\stnweb\Queries\9.str



chain nodes :
2 3 4 6 7 8 17 20 21 23 26 27 28 29 33 36 37 38 40 41 42 43 46 47
48 49 50 51 52 55 56
ring nodes :
9 10 11 12 13 14
chain bonds :
2-37 2-3 2-46 3-4 3-40 3-41 4-6 6-7 6-38 7-8 7-36 7-48 8-10 13-17 14-33
17-49 20-21 26-27 28-29 42-43 51-52 55-56
ring bonds :
9-10 9-14 10-11 11-12 12-13 13-14
exact/norm bonds :
2-37 2-3 2-46 3-40 3-41 4-6 6-7 6-38 7-36 13-17 14-33 17-49 20-21 42-43
55-56
exact bonds :
3-4 7-8 7-48 8-10 26-27 28-29 51-52
normalized bonds :
9-10 9-14 10-11 11-12 12-13 13-14

G1:O,S

G2:CH3,Et

G3:H,Ak

G4:CH3,Et,H

G5:Ak,H,OH,[*1],[*2]

G6:Ak,Cb,[*3],[*4]

G7:COOH,Ak,H,[*5]

G9:Ak,Ph

0:H,A

1:[*6],[*7],[*8]

tch level :
  2:CLASS 3:CLASS 4:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom
  13:Atom 14:Atom 17:CLASS 20:CLASS 21:CLASS 23:CLASS 26:CLASS 27:CLASS 28:CLASS
  29:CLASS 33:CLASS 36:CLASS 37:CLASS 38:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS
  46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:CLASS 55:CLASS 56:CLASS

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
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NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
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NEWS 15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS 16	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:13:41 ON 03 SEP 2004

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL

h eb c g cg b cg eb

```
                                                        ENTRY     SESSION
FULL ESTIMATED COST                                      0.21        0.21

FILE 'REGISTRY' ENTERED AT 14:13:47 ON 03 SEP 2004
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STRUCTURE FILE UPDATES:    2 SEP 2004  HIGHEST RN 737922-52-0
DICTIONARY FILE UPDATES:   2 SEP 2004  HIGHEST RN 737922-52-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
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Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

=> s l1
SAMPLE SEARCH INITIATED 14:17:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  33736 TO ITERATE

  3.0% PROCESSED    1000 ITERATIONS                              2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:       663752 TO   685688
PROJECTED ANSWERS:             857 TO     1841

L2            2 SEA SSS SAM L1

=>
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 14:24:21 ON 03 SEP 2004
FILE 'REGISTRY' ENTERED AT 14:24:21 ON 03 SEP 2004
COPYRIGHT (C) 2004 American Chemical Society (ACS)
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 7.14       7.35

=>
L3      STRUCTURE UPLOADED
```

h eb c g cg b cg eb

```
=> d 13
L3 HAS NO ANSWERS
L3              STR

=> s 13
SAMPLE SEARCH INITIATED 14:26:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  29316 TO ITERATE

  3.4% PROCESSED    1000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       576090 TO   596550
PROJECTED ANSWERS:             262 TO      910

L4            1 SEA SSS SAM L3

=>
L5      STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5              STR

=> s 15
SAMPLE SEARCH INITIATED 14:27:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  29316 TO ITERATE

  3.4% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       576090 TO   596550
PROJECTED ANSWERS:               0 TO        0

L6            0 SEA SSS SAM L5

=>
L7      STRUCTURE UPLOADED

=> s 17
SAMPLE SEARCH INITIATED 14:29:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  14078 TO ITERATE

  7.1% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       274455 TO   288665
PROJECTED ANSWERS:               0 TO        0

L8            0 SEA SSS SAM L7

=> s 17 full
```

```
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 14:29:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 282169 TO ITERATE

100.0% PROCESSED  282169 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.13

L9            0 SEA SSS FUL L7

=>
L10     STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10             STR

=> s l10
SAMPLE SEARCH INITIATED 14:32:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  15187 TO ITERATE

  6.6% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       296362 TO   311118
PROJECTED ANSWERS:               0 TO        0

L11           0 SEA SSS SAM L10

=> s l10 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 14:32:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 303479 TO ITERATE

100.0% PROCESSED  303479 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.14

L12           0 SEA SSS FUL L10

=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             323.02     323.23

STN INTERNATIONAL LOGOFF AT 14:32:36 ON 03 SEP 2004
```

h ebc gcg b cg eb